Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
1992	Buck GE	J. Clin. Microbiol., Dec 1992; 30: 3280 - 3283.	Rapid, sensitive detection of Mycoplasma pneumoniae in simulated clinical specimens by DNA amplification.	Custom Oligo/DNA	.....both 24-bp fragments (MPN-101 and MPN-102) purchased from Genemed Biotechnologies, Inc., South San Francisco, Calif. Amplification...probe specific for the segment being amplified (MPN-301; Genemed Biotechnologies). Hybridiza- tion was carried out in a
1993	Jaschek G	J. Clin. Microbiol., May 1993; 31: 1209 - 1212	Direct detection of Chlamydia trachomatis in urine specimens from symptomatic and asymptomatic men by using a rapid polymerase chain reaction assay.	Custom Oligo/DNA	dna
1993	See DM	Antimicrob. Agents Chemother., Aug 1993; 37: 1593 - 1598	WIN 54954 treatment of mice infected with a diabetogenic strain of group B coxsackievirus.	Custom Oligo/DNA	.....Oligonucleotide primers and probes. The primers used for cDNA synthesis and amplification by polymerase chain reaction (PCR; Genemed, San Francisco, Calif.) were de- rived from a conserved sequence within a noncoding region of the enterovirus genome (33
1994	Deng MY	Appl. Envir. Microbiol., ; 60: 1927 - 1933	Detection of hepatitis A virus in environmental samples by antigen-capture PCR.	Custom Oligo/DNA	.....of 0.4 mM, and 1.2 puM HAV primer 2 (downstream primer) (Genemed Biotechnologies, Inc., San Francisco, Calif.) was added...PCR buffer II, 1.2 p.m HAV primer 1 (upstream primer) (Genemed), and 2.5 U of AmpliTaq DNA polymerase (Perkin-Elmer Cetus.
1996	Doble BW	Circ. Res., Oct 1996; 79: 647 - 658.	Fibroblast Growth Factor-2 Decreases Metabolic Coupling and Stimulates Phosphorylation as Well as Masking of Connexin43 Epitopes in Cardiac Myocytes	Custom Peptides	were obtained commercially from ImmunoDynamics Inc. A peptide containing residues 252 to 260 (GPLSPSKDC) was purchased from Genemed Biotechnologies, Inc. These peptides were used at 0.01 mg/mL final concentration in antibody-blocking experiments. Protein
1996	Miller JL	PNAS, Apr 1996; 93: 3565 - 3569.	Mimotope/anti-mimotope probing of structural relationships in platelet glycoprotein Ib	Custom Peptides	.....peptide with Gly -> Val at residue 9. Lyophilized peptides (Genemed Biotechnologies) were reconstituted in PBS (pH 6.0) and...Woodlands, TX). All other peptides were purchased from Genemed Bio- technologies (South San Francisco, CA). RESULTS Development
1996	Wu L	J. Biol. Chem., Dec 1996; 271: 31202 - 31209	Discrete Steps in Binding and Signaling of Interleukin-8 with Its Receptor	Custom Peptides	.....using readings of relative fluorescence units. Peptide Competition to the Antibody Staining Peptides were synthesized by Genemed Biotechnology (San Francisco, CA) and solubilized in phosphate-buffered saline. For the competition experiments, the antibody
1997	Bolin LM	J. Neurosci., Jul 1997; 17: 5493 - 5502	HNMP-1: A Novel Hematopoietic and Neural Membrane Protein Differentially Regulated in Neural Development and Injury	Custom Peptides	.....HTEEILAKHPSGG conjugated to KLH) encoding the putative second extracellular loop of mouse HNMP-1 was the immunogen for rabbit antisera (Genemed Biotechnologies, South San Francisco, CA). Specific IgG was affinity-purified against the synthetic peptide linked to 6-aminohexanoic
1997	Brown RL	Stem Cells, May 1997; 15: 237 - 245	Serum-Free Culture Conditions for Cells Capable of Producing Long-Term Survival in Lethally Irradiated Mice	Custom Peptides	.....ng) to 100% (2 mug). Total murine chromosomal DNA was evaluated using the BAC-202 murine beta-actin oligonucleotide probe (Genemed Biotechnologies Inc.; San Francisco, CA) 3-end labeled with digoxigenin (Genius Oligonucleotide 3-End Labeling Kit, Boehringer
1997	Ciorba MA	PNAS, Sep 1997; 94: 9932 - 9937	Modulation of potassium channel function by methionine oxidation and reduction	Custom Oligo/DNA	.....and the Met(O)-containing ShCB peptide Met-Glu-Met(O)-ILe-Leu-Val-Ala-Gly-Gly-Ser-Leu-Pro-Lys-Leu-Ser-Ser were obtained from Genemed Biotechnologies, South San Francisco, CA (85 pure). (B) Preincubation of the Met(O)-containing ShCB peptide with MsrA and DTT

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1997	García SI	Hypertension, Sep 1997; 30: 759 - 766.	Central Overexpression of the TRH Precursor Gene Induces Hypertension in Rats : Antisense Reversal	Custom Oligo/DNA	.....of the transcript that is codified by the bGH polyadenylation signal of the pcDNA3 vector (5 GGA GGG GCA AAC AAC AGA TG 3; Genemed Biotechnologies). PCR product was identified by Southern blotting using the above-mentioned pre-TRH cDNA probe. Diencephalic
1997	Gorny MK	J. Immunol., Nov 1997; 159: 5114 - 5122	Human monoclonal antibodies to the V3 loop of HIV-1 with intra- and interclade cross-reactivity	Custom Peptides	.....Cambridge, MA): one peptide MN was synthesized by Peninsula Laboratories (Belmont, CA): and peptide SF1703 was synthesized by Genemed Biotechnologies, Inc. (South San Francisco, CA). According to the manufacturers' information, peptides were analyzed by HPLC
1997	Han L	PNAS, May 1997; 94: 4954 - 4959.	Protein binding and signaling properties of RIN1 suggest a unique effector function	Custom Peptides	purified on glutathione-Sepharose (Pharmacia), dialyzed with PBS, and concentrated. The peptide KSSPLSPPAVPPPPVPVLPGARRASLG (Genemed Biotechnologies, South San Francisco, CA) contains the putative SH3 binding site (underlined), five flanking RIN1 residues
1997	Perry LL	J. Immunol., Apr 1997; 158: 3344 - 3352	Immunity to Chlamydia trachomatis is mediated by T helper 1 cells through IFN-gamma-dependent and -independent pathways	Custom Oligo/DNA	.....using the Gene Runner program (Hastings Software, Hastings, NY) based upon GenBank accession M64239 and was synthesized by GeneMed (San Francisco, CA). &Chain primer sequences yielding a 240-bp product were as follows: GCTTGGTCAGTATGGAGATTCG (sense) and.....
1997	Rong H	Clin. Chem., Dec 1997; 43: 2268 - 2273	Quantification of parathyroid hormone-related protein mRNA by competitive PCR and time-resolved lanthanide fluorometry	Custom Oligo/DNA	.....target DNA (T-probe) and the other recognizing the competitor (C-probe). Custom oligonucleotide synthesis was performed by Genemed Biotechnologies with an Amino Linker C3 at the 5-end. HPLC-purified oligonucleotides were dissolved in distilled water and.....
1997	Santy LC	Am J Physiol Endocrinol Metab, Dec 1997; 273: E1140 - E1148	Expression of a single gene produces both forms of skeletal muscle cyclic nucleotide-gated channels	Custom Oligo/DNA	Harvard University, Cambridge, MA). Lipids were purchased from Avanti Polar Lipids (Alabaster, AL). Primers were ordered from Genemed Biotechnologies (South San Francisco, CA). RNA isolation and cDNA production. Total RNA was isolated from rabbit tissues using
1997	Weeraratna AT	Clin. Cancer Res., Dec 1997; 3: 2295 - 2300	Loss of uteroglobin expression in prostate cancer: relationship to advancing grade	Custom Oligo/DNA	with hematoxylin. Antibody Preparation. A peptide comprised of the 20 amino acid residues 37-56 of human UG was synthesized by Genemed (San Francisco, CA). This peptide was conjugated to keyhole limpet hemocyanin and used to raise antibody in rabbits by the.....
1997	Woodward RN	Mol. Endocrinol., May 1997; 11: 563 - 576	Novel Accessory Factor-Binding Site Required for Glucocorticoid Regulation of the -Fibrinogen Subunit Gene from Xenopus laevis	Custom Oligo/DNA	oligonucleotides for PCR were obtained either from the Molecular Biology Program DNA Core Facility at the University of Missouri or from Genemed Biotechnologies (San Francisco, CA). Standard conditions of 10 Mm primers, 4 ng template, and 2 mm MgSO4 in an (NH4)2SO4 buffer
1997	Xu D-L	J. Clin. Invest., Apr 1997; 99: 1500 - 1505	Upregulation of Aquaporin-2 Water Channel Expression in Chronic Heart Failure Rat	Custom Peptide Antibodies	cab
1997	Yan C	J. Biol. Chem., Jul 1997; 272: 17327 - 17332	Protein Kinase A Activation of the Surfactant Protein B Gene Is Mediated by Phosphorylation of Thyroid Transcription Factor 1	Custom Peptides	protein (1 Mg), TTF-1 homeodomain polypeptide (1 Mg) obtained from Dr. DiLauro, or synthetic TTF-1 peptides (30 Mg) made by Genemed Inc. (San Francisco), were incubated with 1 Ml (22

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					units) of purified PKA catalytic subunit (Calbiochem) in the presence of
1997	Yu J	J. Exp. Med., Feb 1997; 185: 745 - 754	Mapping the Active Site of CD59	Custom Peptides	.....mature CD59 (CKKDLCNFNEQLE) and was conjugated to KLH for immunization. Peptide synthesis and KLH conjugation was performed by Genemed (South San Francisco, CA). Anti-CD59 peptide Ab was affinity purified by means of peptide immobilized onto CNBr-activated sepharose
1997	Zaheer A	J. Biol. Chem., Feb 1997; 272: 5183 - 5186	Protein Kinase A (PKA)- and Protein Kinase C-phosphorylated Glia Maturation Factor Promotes the Catalytic Activity of PKA	Custom Peptides	.....32P]ATP (3000Ci/mmol) was purchased from DuPont NEN. GMF peptides for phosphorylation experiments were custom synthesized by Genemed Biotech (South San Francisco, CA), except peptides I and IV, which were gifts of R.A.Copelend of DuPont Merck Pharmaceutical
1997	Zhao S	J. Biol. Chem., Nov 1997; 272: 28368 - 28372	A Protein Phosphatase-1-binding Motif Identified by the Panning of a Random Peptide Display Library	Custom Peptides	CGPSTRHVHWDDREAGPC, and CGPRVSRHVHWADLEGPC were synthesized by GENEMED Synthesis Inc. (South San Francisco, CA). The peptides...CGPSTRHVHWDDREAGPC), and D2 (CGPRVSRHVHWADLEGPC) were synthesized by GENEMED Synthesis Inc. Peptides were dissolved in water and tested
1998	Bennett RJ	J. Biol. Chem., Apr 1998; 273: 9644 - 9650	Purification and Characterization of the Sgs1 DNA Helicase Activity of Saccharomyces cerevisiae	Custom Oligo/DNA	albumin solutions as standards, was between 1 and 2.5 mg for several preparations. Nucleic Acid Substrates DNA oligomers (GENEMED) were purified by polyacrylamide gel electrophoresis when necessary. The RNA oligomer was purchased from Dalton Chemical Laboratories
1998	Burke DH	Chemistry & Biology, Volume 4, Issue 11, November 1997, Pages 833-843	RNA aptamers to the peptidyl transferase inhibitor chloramphenicol	Custom Oligo/DNA	Mutagenized pools were synthesized as bottom strand by Genemed Synthesis to yield a particular DNA template
1998	Calero G	Circ. Res., May 1998; 82: 929 - 935	A 17mer Peptide Interferes With Acidification-Induced Uncoupling of Connexin43	Custom Peptides	.....production of the 17mer peptide has been described before. 22 Other short peptides were purchased from a commercial supplier (Genemed Inc). All peptides were assessed chromatographically and determined to be 95% pure. A polypeptide of the CT domain (amino acids
1998	Campbell PG	Am J Physiol Endocrinol Metab, Aug 1998; 275: E321 - E331.	Plasminogen binds the heparin-binding domain of insulin-like growth factor-binding protein-3	Custom Peptides	.....kindly provided by Dr. Dennis Andress (Univ. of Washington, Seattle, WA). The IGFBP-3 HBD peptide (Table) was synthesized by Genemed Synthesis (South San Francisco, CA). Human serum and plasma were obtained from outdated blood bank supplies or from laboratory
1998	Cruickshank KA	Journal of Chromatography A, Volume 817, Issues 1-2, 21 August 1998, Pages 41-47	Simultaneous multiple analyte detection using fluorescent peptides and capillary isoelectric focusing	Custom Peptides	cysteine and lysine containing peptides
1998	Deng MQ	Appl. Envir. Microbiol., May 1998; 64: 1954 - 1957	Differentiation of Cryptosporidium parvum Isolates by a Simplified Randomly Amplified Polymorphic DNA Technique	Custom Oligo/DNA	Figure illustrates the results obtained with primers GPD62 (CAATGCCCGA; GeneMed Biotechnologies, San Francisco, Calif.) (lanes 1 to 4) and GPD63 (CAATGCCCGA, GeneMed) (lane 5 to 8). Both primers produced multiple bands, usually ranging from.....

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1998	Dong F	Mol. Biol. Cell, Aug 1998; 9: 2081 - 2092	Cyclin D3-associated Kinase Activity Is Regulated by p27kip1 in BALB/c 3T3 Cells	Custom Oligo/DNA	.....the pRb sequence and previously demonstrated to reflect cdk4 phosphorylation sites were synthesized and purified by HPLC at Genemed Synthesis (South San Francisco, CA). The nomenclature utilized in this report corresponds to that previously reported (Kitagawa
1998	Ettinger RA	J. Immunol., Mar 1998; 160: 2365 - 2373	A Peptide Binding Motif for HLA-DQA1*0102/DQB1*0602, the Class II MHC Molecule Associated with Dominant Protection in Insulin-Dependent Diabetes Mellitus	Custom Peptides	.....Peptide Synthesizer (Foster City, CA) or purchased from GeneMed Synthesis, Inc. (South San Francisco, CA). Peptides were...spectrometry was performed by Anaspec, Inc. (San Jose, CA), GeneMed Synthesis, Inc., and the Protein and Carbohydrate Structure
1998	Fewell JG	J. Clin. Invest., Jun 1998; 101: 2630 - 2639	Functional Significance of Cardiac Myosin Essential Light Chain Isoform Switching in Transgenic Mice	Custom Peptide Antibodies	.....Miles Laboratories, Inc., Elkhart, IN). Sections (5 or 7 mum) were incubated with rabbit polyclonal antisera against ELC1a (Genemed Biotechnologies, Inc., San Francisco, CA), and with a monoclonal antibody against alpha-actinin (Sigma Chemical Co. , St
1998	Horowitz A	J. Biol. Chem., Oct 1998; 273: 25548 - 25551	Phosphorylation of the Cytoplasmic Tail of Syndecan-4 Regulates Activation of Protein Kinase C	Custom Peptides	.....Boston, MA). A 28-amino acid-long syndecan-4 cytoplasmic tail peptide (S4c) (RMKKKDEGSYDLGKKPIYKKAPTNEFYA) was synthesized by Genemed Synthesis (South San Francisco, CA). A similar peptide with a phosphorylated Ser (S4c-P) was synthesized by the Biopolymers
1998	Li M	J. Biol. Chem., Apr 1998; 273: 9790 - 9796	Analysis of the DNA-binding Site for Xenopus Glucocorticoid Receptor Accessory Factor. CRITICAL NUCLEOTIDES FOR BINDING SPECIFICITY IN VITRO AND FOR AMPLIFICATION OF STEROID-INDUCED FIBRINOGEN GENE TRANSCRIPTION	Custom Oligo/DNA	the XGRAF region had been mutated. The upstream primer, 5-GGGGTACCAGACAGAA AAGAGTTAA TGTTCCCTCTTATGTTC-3, was synthesized (Genemed Biotechnologies, Inc.) in a single reaction, with the reservoir for each nucleotide in the potential binding site (underlined
1998	Li Y	J. Biol. Chem., Apr 1998; 273: 9959 - 9965.	Involvement of Sp1 Elements in the Promoter Activity of the 1-Proteinase Inhibitor Gene	Custom Oligo/DNA	.....Primer sequences were as follows: Gsp1, GTAGACTTCGGGTGGAGGCAGT; and Gsp2, GGGGAGCTTGGACAGGAAG. Primers were synthesized by Genemed Biotechnologies, Inc. (South San Francisco, CA). Methods PromoterFinder, Cloning, and Sequencing The PromoterFinder
1998	Lohnas GL	J. Immunol., Dec 1998; 161: 6518 - 6525	Epitope-Specific Antibody and Suppression of Autoantibody Responses Against a Hybrid Self Protein	Custom Peptides	sequences of UbV3 were obtained in 70-90% purity by conventional automated solid phase synthesis through a commercial service (Genemed Synthesis, South San Fransisco, CA). Synthetic peptide KRIHIGPGRAFYTTK (V3) was obtained through the AIDS Research and Reference
1998	Lu D	J. Cell Biol., Jul 1998; 142: 217 - 227	Regulation of Angiotensin II-induced Neuromodulation by MARCKS in Brain Neurons	Custom Oligo/DNA	.....serines at positions 151, 155, 159, and 162, were replaced by alanine (KRFAFKKAFKLAGFAFKK; mut148-165) were synthesized by Genemed Biotechnologies (San Francisco, CA). Pep148-165 competes for PKC-mediated phosphorylation of MARCKS since three out of the
1998	Lu D	J. Neurosci., Feb 1998; 18: 1329 - 1336	Involvement of p62 Nucleoporin in Angiotensin II-Induced Nuclear Translocation of STAT3 in Brain Neurons	Custom Oligo/DNA	.....amino acid sequence of 189 to 198 (GSPFTPATLA) and its mutant where the Thr193 was substituted with Ala were synthesized by Genemed Biotechnologies (San Francisco, CA). All other biochemicals were from Fisher Scientific (Pittsburgh, PA) and were of the highest

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1998	Lu D	Endocrinology, Jan 1998; 139: 365 - 375.	Angiotensin II-Induced Nuclear Targeting of the Angiotensin Type 1 (AT1) Receptor in Brain Neurons	Custom Peptides	.....PLUS-agarose was purchased from Santa Cruz Biotechnology. Genemed Biotechnologies, Inc. (San Francisco, CA) provided synthetic...p62-mut), were synthesized. All peptides were synthesized by Genemed Biotechnologies Inc. This region contained the consensus
1998	Montani V	Endocrinology, Jan 1998; 139: 280 - 289.	Major Histocompatibility Class II HLA-DR Gene Expression in Thyrocytes: Counter Regulation by the Class II Transactivator and the Thyroid Y Box Protein	Custom Oligo/DNA	.....Operon Technologies, Inc., Alameda, CA) or were purified from 2% agarose gel using QIAEX (Qiagen, Chatsworth, CA) or Jet-Sorb (Genemed, Frederick, MD), following restriction enzyme treatment of the chimeric class II CAT constructs. They were labeled with a-32Pdeoxycytosine
1998	Ohara M	J. Clin. Invest., Mar 1998; 101: 1076 - 1083	Upregulation of Aquaporin 2 Water Channel Expression in Pregnant Rats	Custom Peptide Antibodies	with the mean value in controls (100%). Western blot analysis The rabbit polyclonal antibody against AQP2 was prepared by Genemed Biotechnologies, Inc. (South San Francisco, CA) using a synthetic peptide (CELHSPQSLPRGSKA) from the carboxy terminus of AQP2
1998	Richards OC	J. Biol. Chem., May 1998; 273: 12832 - 12840	Effects of Poliovirus 3AB Protein on 3D Polymerase-catalyzed Reaction	Custom Oligo/DNA	were from Boehringer Mannheim. Isopropyl b-d-thiogalactopyranoside was obtained from Sigma. DNA primers were synthesized by Genemed Biotechnologies, Inc. Escherichia coli JM110 was provided by Bert Semler, University of California, Irvine. E. coli BL21(DE3
1998	Shapira H	J. Biol. Chem., Jul 1998; 273: 19431 - 19436	G 14 and G q Mediate the Response to Trypsin in Xenopus Oocytes	Custom Oligo/DNA	.....inhibitor, goat anti-rabbit IgG, and ACh were purchased from Sigma; GRP14-27 from Bachem, S-oligos from Oligos Etc.; primers from Genemed Biotechnologies; and radiodeoxynucleotides from NEN Life Science Products. All molecular biology reagents were of molecular
1998	Shaw G-C	J. Biol. Chem., Apr 1998; 273: 7996 - 8002.	Evidence against the Bm1P1 Protein as a Positive Transcription Factor for Barbiturate-mediated Induction of Cytochrome P450BM-1 in Bacillus megaterium	Custom Peptide Antibodies	Sequenase version 2.0 DNA sequencing kit were from Amersham Pharmacia Biotech. Oligonucleotides used in PCR were ordered from Genemed Synthesis, Inc. BCA protein assay kit was from Pierce. Rabbit polyclonal antibodies against cytochrome P450BM-1 were prepared
1998	Toroser D	FEBS Letters, Volume 435, Issue 1, 11 September 1998, Pages 110-114	Site-specific regulatory interaction between spinach leaf sucrose-phosphate synthase and 14-3-3 proteins	Custom Peptides	SPS-229 peptide (CRVDLLTRQVpSAPGVDK)
1998	Tu T-Y	Hearing Research, Volume 123, Issues 1-2, September 1998, Pages 97-110	Establishment and characterization of a strial marginal cell line maintaining vectorial electrolyte transport	Custom Peptides	25-mer, extending from nucleotide (nt) 253 to 277, 5P-ATGCATAGTATATAGAGATGGGAAT-3
1998	Yan J	J. Neurosci., Nov 1998; 18: 8682 - 8691	Purification from Bovine Serum of a Survival-Promoting Factor for Cultured Central Neurons and Its Identification as Selenoprotein-P	Custom Peptides	coupling of the peptide to a carrier protein (hemocyanin). The immunogen (peptide linked to carrier) was injected into rabbits (Genemed Biotechnologies, South San Francisco, CA). Antibodies were affinity-purified with the peptide immobilized on agarose resin.....
1998	Zhou B-Y	J. Gen. Physiol., Apr 1998; 111: 555 - 563.	Specific Antibodies to the External Vestibule of Voltage-gated Potassium Channels Block Current	Custom Peptide Antibodies	.....2-BA, Kv1-NA, and Kv3.1-BA rabbit polyclonal antibodies were made and affinity purified through a contracted manufacturer (Genemed Biotechnologies, Inc., South San Francisco, CA). A cysteine residue was added to the carboxyl end of the peptide FAEADERDSQFPSIP

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1998	Zundel CJ	FEBS Letters, Volume 441, Issue 2, 18 December 1998, Pages 242-246	Analysis of the conserved acidic residues in the regulatory domain of PhoB	Custom Peptides	mutagenic primers
1999	Alzerreca JJ	FEMS Microbiology Letters, Volume 180, Issue 1, 1 November 1999, Pages 21-29	The amo operon in marine, ammonia-oxidizing γ-proteobacteria	Custom Oligo/DNA	Primers were prepared commercially (Genemed Synthesis
1999	Baker KA	Molecular Cell, Volume 3, Issue 3, March 1999, Pages 309-319	Structural Basis for Paramyxovirus-Mediated Membrane Fusion	Custom Peptides	
1999	Baranski TJ	J. Biol. Chem., May 1999; 274: 15757 - 15765	C5a Receptor Activation. GENETIC IDENTIFICATION OF CRITICAL RESIDUES IN FOUR TRANSMEMBRANE HELICES	Custom Oligo/DNA	.....PstI was subcloned into the C5a receptor DNA containing silent SphI and PstI sites. The following oligonucleotides were used (Genemed, S. San Francisco, CA; underlines denote bases doped with 20 nonwild-type nucleotides): Helix III, 5-CCCGCATGCTCTATTCTACCATCTCTAATTCTACTAAACATGTACGCTTCTATTCTACTACTAGCTACTATTTCTGCAGAA-3…
1999	Bolander Jr FF	Molecular and Cellular Endocrinology, Volume 149, Issues 1-2, 25 March 1999, Pages 85-92	Regulation of prolactin receptor glycosylation and its role in receptor location	Custom Peptides	
1999	Campbell PG	J. Biol. Chem., Oct 1999; 274: 30215 - 30221	Insulin-like Growth Factor-binding Protein-3 Binds Fibrinogen and Fibrin	Custom Peptides	.....Bend, IN). Peptide IGFBP-3hbd (KKGFYKKKQCRPSKGRKR), which encodes the heparin binding domain of IGFBP-3 (), was synthesized by Genemed Synthesis, Inc. (South San Francisco, CA). Glu-Pg was purified as described previously (). Plasmin (Pm) was obtained from
1999	Cardosa MJ	The Lancet, Volume 354, Issue 9183, 18 September 1999, Pages 987-991	Isolation of subgenus B adenovirus during a fatal outbreak of enterovirus 71-associated hand, foot, and mouth disease in Sibu, Sarawak	Custom Peptides	oligonucleotide primers
1999	Chan JYH	Neuroscience, Volume 95, Issue 1, November 1999, Pages 155-162	Role of calcium/calmodulin-dependent protein kinases in expression of Fos protein in the nucleus tractus solitarii after sustained hypertension	Custom Peptides	PCR primers used for c-fos or GADPH in the PCR reaction
1999	Chaussee MS	Infect. Immun., Apr 1999; 67: 1715 - 1722.	The rgg Gene of Streptococcus pyogenes NZ131 Positively Influences Extracellular SPE B Production	Custom Oligo/DNA	and Rgg-R (5-ATCGCCCTGGAGCTGTTGAG-3), were synthesized by Genemed Biotechnologies, Inc. (San Francisco, Calif.). Rgg-F corresponded...determined by using custom-designed oligonucleotide primers (Genemed Synthesis) and a Dye Terminator Cycle Sequencing Ready
1999	Cui Y	J. Bacteriol., Oct 1999; 181: 6042 - 6052	rsmC of the Soft-Rotting Bacterium Erwinia carotovora subsp. carotovora Negatively Controls Extracellular Enzyme and HarpinEcc Production and Virulence by Modulating Levels of Regulatory RNA (rsmB) and RNA-Binding Protein (RsmA)	miscl	harpinEcc. The anti-RsmA antiserum produced against a synthesized peptide from amino acids 48 to 61 of RsmA () in rabbit by Genemed Biotechnologies Inc. (San Francisco, Calif.) was used as the probe for RsmA. Construction of rsmA-lacZ and csrA-lacZ fusions
1999	Farrell DJ	J. Clin. Microbiol., Mar 1999; 37: 606 - 610.	Nested Duplex PCR To Detect Bordetella pertussis and Bordetella parapertussis and Its Application in Diagnosis of Pertussis in Nonmetropolitan Southeast Queensland, Australia	Custom Oligo/DNA	.....three suppliers: Bresatech (Adelaide, South Australia), Gibco-Life Technologies (Gaithersburg, Md.), and Operon Technologies or Genemed Technologies (both in San Francisco, Calif.; oligonucleotides were purchased from Fisher-Biotech, Perth, Australia). Oligonucleotides

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1999	Fissore RA	Biol Reprod, Jan 1999; 60: 49 - 57	Differential Distribution of Inositol Trisphosphate Receptor Isoforms in Mouse Oocytes	miscl	.....omission of the primary antibody, or preincubation of the Rbt02 antiserum for 1 h with 5 mg/ml of the C-terminal peptide (Genemed Biotechnologies Inc., South San Francisco, CA) before dilution to 1:100-1:1,000 for probing the membrane. Positive controls
1999	Fong LG	J. Biol. Chem., Dec 1999; 274: 36808 - 36816	The Processing of Ligands by the Class A Scavenger Receptor Is Dependent on Signal Information Located in the Cytoplasmic Domain	Custom Peptides	.....1 cells were obtained from American Type Culture Collection (Manassas, VA). Synthetic oligonucleotides were purchased from Genemed Biotechnologies (South San Francisco, CA) or Genosys (Woodlands, TX). Lipoproteins Human LDL (d 1.019-1.063 g/ml) was
1999	Gu C	J. Biol. Chem., Mar 1999; 274: 8012 - 8021	Calmodulin-binding Sites on Adenylyl Cyclase Type VIII	Custom Peptides	.....Chou and Fasman program. Two peptides were synthesized (Genemed Synthesis Inc., South San Francisco, CA). One was 21 residues...liquid chromatography and mass spectroscopy, respectively (Genemed Synthesis). The peptide (CamkII, LKKFQARRKLKGAILTTMLA..
1999	Guo L	J. Biol. Chem., Apr 1999; 274: 9836 - 9842	Photorhabdus luminescens W-14 Insecticidal Activity Consists of at Least Two Similar but Distinct Proteins. PURIFICATION AND CHARACTERIZATION OF TOXIN A AND TOXIN B	Custom Peptide Antibodies	.....peptide A2), and FDSYSQLYEENINAGEQRA (peptide B2). The corresponding antibodies to the above three peptides were generated in Genemed Biotechnology Inc. (San Francisco, CA). The crude sera were purified using a SulfoLinkTM Coupling Gel column (Pierce). Each
1999	Han Y	J. Biol. Chem., Jan 1999; 274: 939 - 947	Interleukin-1-induced Nuclear Factor- B-I B Autoregulatory Feedback Loop in Hepatocytes. A ROLE FOR PROTEIN KINASE C IN POST-TRANSCRIPTIONAL REGULATION OF I B RESYNTHESIS	Custom Oligo/DNA	.....oligodeoxynucleotide (ODN, sequence 5-GTTCTCGCTGGTGAGTTTCA -3) and scrambled version (5-GGTTTTACCATCGGTTCTGG-3 obtained from Genemed Biotechnologies, South San Francisco, CA) were introduced into HepG2 cells as described (). Where indicated, transiently transfected
1999	He CL	Biol Reprod, Oct 1999; 61: 935 - 943.	Isoforms of the Inositol 1,4,5-Trisphosphate Receptor Are Expressed in Bovine Oocytes and Ovaries: The Type-1 Isoform Is Down-Regulated by Fertilizationand by Injection of Adenophostin A	cp, cab	.....peptide used to raise the antibody (a generous gift of Dr. Frank Longo, University of Iowa, Iowa City, IA, and prepared by Genemed Biotechnologies Inc., South San Francisco, CA) before dilution to 1:200 for probing the membrane. Statistical Analysis
1999	Ho Y-D	J. Biol. Chem., Jan 1999; 274: 464 - 470	IQGAP1 Integrates Ca2+/Calmodulin and Cdc42 Signaling	Custom Oligo/DNA	.....fragment) were purchased from New England Biolabs, Inc. Nucleotide primers for polymerase chain reaction were obtained from Genemed Biotechnologies. Radionucleotides were from DuPont. Calmodulin-Sepharose was purchased from Pharmacia Biotech Inc. G-actin
1999	Liu RY	J. Biol. Chem., May 1999; 274: 13877 - 13885	Tumor Necrosis Factor- -induced Proliferation of Human Mo7e Leukemic Cells Occurs via Activation of Nuclear Factor B Transcription Factor	Custom Peptides	.....factor and the mutant nuclear translocation motif of human NF-kB p50 (). Both SN50 and SN50mt were synthesized commercially (Genemed Synthesis, South San Francisco, CA). The peptides were purified by reverse phase high performance liquid chromatography, and
1999	Liu X	J. Biol. Chem., Oct 1999; 274: 28674 - 28681	Rat B2 Sequences Are Induced in the Hippocampal CA1 Region After Transient Global Cerebral Ischemia	cp, cab	.....custom-synthesized by Genosys Corp. (The Woodlands, Texas). Peptide synthesis and rabbit antibody production was provided by Genemed Synthesis, Inc. (South San Francisco, CA). Total RNA Isolation Total RNA was isolated from eight 4VO - and eight sham.....

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1999	Lou L	Mol. Pharmacol., Mar 1999; 55: 557 - 563	Modulation of Ca2+/Calmodulin-Dependent Protein Kinase II Activity by Acute and Chronic Morphine Administration in Rat Hippocampus: Differential Regulation of and Isoforms	Custom Peptides	.....purchased from Amersham International (Buckinghamshire, UK). Polypeptide substrate of CaMK II, autocamtide-2, was synthesized by Genemed Synthesis, Inc. (South San Francisco, CA). P81 phosphocellulose paper was obtained from Whatman (Maidstone, England). Animals
1999	Marino M	J. Biol. Chem., Oct 1999; 274: 30377 - 30386	Identification of a Heparin-binding Region of Rat Thyroglobulin Involved in Megalin Binding	Custom Peptides	sequence () (SRRLKRP) was synthesized by Genemed Biotechnologies (South San Francisco...with Tg peptide 1 the preparation from Genemed Biotechnologies was used. Another 15-amino...substituted with glycine was synthesized by Genemed Biotechnologies and was named control
1999	Martínez-Senac MDM	Eur. J. Biochem., Oct 1999; 265: 744 - 753	Structure of the Alzheimer -amyloid peptide (25–35) and its interaction with negatively charged phospholipid vesicles	Custom Peptides	.....Lipids, Inc. (Birmingham, AL, USA) and dissolved in chloroformmethanol (1:1, vv). The bAP(25-35) peptide was purchased from Genemed Synthesis, Inc. (San Francisco, CA, USA). D2O was obtained from Sigma Chemicals Co. (Madrid, Spain) and all solvents were from
1999	Martínez-Senac MDM	European Journal of Biochemistry, Volume 265, Issue 2: 744-753. doi: 10.1046/j.1432-1327.1999.00775.x	Structure of the Alzheimer β-amyloid peptide (25–35) and its interaction with negatively charged phospholipid vesicles	Custom Peptides	betaAP(25-35) peptide
1999	P PK-y	Journal of Biochemistry, Volume 266, Issue 1: 33-39. doi: 10.1046/j.1432-1327.1999.00811.x	Why reversing the sequence of the α domain of human metallothionein-2 does not change its metal-binding and folding characteristics European	Custom Peptides	alpha domain (residues 31-61), the beta domain (residues 1-30), and the retro-alpha domain of human liver MT-2, respectively,
1999	Pan PK-Y	Eur. J. Biochem., Nov 1999; 266: 33 - 39	Why reversing the sequence of the domain of human metallothionein-2 does not change its metal-binding and folding characteristics	Custom Peptides	.....adomain (residues 31-61), the bdomain (residues 1-30), and the retro-adomain of human liver MT-2, respectively, were synthesized (Genemed Synthesis). The side chains of Cys residues of the synthetic peptides were protected by acrylamide protecting group to effectively
1999	Piros ET	J. Biol. Chem., Nov 1999; 274: 33677 - 33683	Purification of an EH Domain-binding Protein from Rat Brain That Modulates the Gating of the Rat ether-à-go-go Channel	Custom Peptide Antibodies	.....and enhanced chemiluminescence detection (NEN Life Science Products Inc.). An affinity purified rabbit anti-EAG antibody (Genemed Synthesis), raised against an EAG peptide (NGSGSGKWEGGPSKNS), was used to immunoprecipitate EAG from transfected 293 cell
1999	Resendes MC	J. Biol. Chem., Jul 1999; 274: 19417 - 19421	Nuclear Localization of the 82-kDa Form of Human Choline Acetyltransferase	Custom Peptides	.....terminus of human ChAT protein (CEKATRPSQGHQP) () conjugated to maleimide-activated keyhole limpet hemocyanin as immunogen (Genemed Synthesis Inc.). ChAT-specific immunoglobulins were affinity-purified on a column of the ChAT carboxyl-terminal peptide coupled
1999	Rossi DL	J. Immunol., May 1999; 162: 5490 - 5497	Lungkine, a Novel CXC Chemokine, Specifically Expressed by Lung Bronchoepithelial Cells	Custom Peptides	the Lungkine peptide CLDPDAPWVKATVGPITNRFLPEDLKQK E-COOH (Genemed, South San Francisco, CA). The negative controls used in...methods (14). Rabbit polyclonal affinity-purified antiserum (Genemed, South San Francisco, CA) was used as the primary Ab for…
1999	Shih S-C	J. Biol. Chem., May 1999; 274: 15407 - 15414	Role of Protein Kinase C Isoforms in Phorbol Ester-induced Vascular Endothelial Growth Factor Expression in Human Glioblastoma Cells	Custom Oligo/DNA	.....of the antisense PKC oligonucleotides to PKC-a, -b, -, -, -e, and -z were synthesized as phosphorothioate derivatives from Genemed Synthesis (San Francisco, CA). Seven different kinase inhibitors were used and

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
					purchased from Calbiochem as follows: protein.....
1999	Shih S-C	J. Biol. Chem., Jan 1999; 274: 1359 - 1365	Regulation of Human Vascular Endothelial Growth Factor mRNA Stability in Hypoxia by Heterogeneous Nuclear Ribonucleoprotein L	Custom Oligo/DNA	.....University Pennsylvania, Philadelphia) (,). All of the oligodeoxyribonucleotides used in the study were synthesized from Genemed Synthesis (San Francisco, CA). Cell Lines and Culture Conditions Human melanoma cell line M21 was obtained from Dr. Romaine
1999	Subklewe M	Blood, Aug 1999; 94: 1372 - 1381	Induction of Epstein-Barr Virus-Specific Cytotoxic T-Lymphocyte Responses Using Dendritic Cells Pulsed With EBNA-3A Peptides or UV-Inactivated, Recombinant EBNA-3A Vaccinia Virus	Custom Peptides	FLRGRAYGL and QAKWRLQTL, were purchased from Biosynthesis (Lewisville, TX). The EBNA-3A peptide FLRGRAYGl was purchased from Genemed Synthesis (San Francisco, CA). All peptides were greater than 95 pure by mass spectrometry and high-performance liquid chromatography
1999	Tseng C-P	J. Biol. Chem., Nov 1999; 274: 31981 - 31986	The Role of DOC-2/DAB2 Protein Phosphorylation in the Inhibition of AP-1 Activity. AN UNDERLYING MECHANISM OF ITS TUMOR-SUPPRESSIVE FUNCTION IN PROSTATE CANCER	Custom Peptides	.....described previously (). The Ser24 peptide (APS24KKEKKKGSEKTD) and the Ala24 peptide (APA24KKEKKKGSEKTD) were synthesized by Genemed Biotechnologies, Inc. (San Francisco, CA). Cell Cultures COS, NbE, and C4-2 cells were maintained in T medium supplemented
1999	Wallner M	PNAS, Mar 1999; 96: 4137 - 4142	Molecular basis of fast inactivation in voltage and Ca2+-activated K+ channels: A transmembrane -subunit homolog	Custom Peptides	.....by using the overlap extension method (). b2 ball peptides consisting of 19 or 26 N-terminal amino acids were synthesized (Genemed Biotechnologies, South San Francisco, CA). The peptides were dissolved to a concentration of 10 mM in 50 mM TrisCl and adjusted
1999	Wang R	Am J Physiol Lung Cell Mol Physiol, Dec 1999; 277: 1245 - 1250	Fas-induced apoptosis of alveolar epithelial cells requires ANG II generation and receptor interaction .	Custom Oligo/DNA	.....saralasin, and antibodies to ANG II and ANGEN were obtained from Sigma (St. Louis, MO). Primers for RT-PCR were synthesized by Genemed Synthesis (San Francisco, CA). Lipofectin reagent (Oligofectin G) was obtained from Sequitur (Natick, MA). All other materials
1999	Wang R	Am J Physiol Lung Cell Mol Physiol, May 1999; 276: 885 - 889	Angiotensin II induces apoptosis in human and rat alveolar epithelial cells	Custom Oligo/DNA	.....Louis, MO). Fluorescein-conjugated annexin V was obtained from PharMingen (San Diego, CA), and PCR primers were synthesized by Genemed Synthesis (San Francisco, CA). All other materials were from sources described earlier (,) or were of reagent grade. Cell
1999	Wilson HL	J. Bacteriol., Sep 1999; 181: 5814 - 5824	Halophilic 20S Proteasomes of the Archaeon Haloferax volcanii: Purification, Characterization, and Gene Sequence Analysis	Custom Oligo/DNA	from New England Biolabs (Beverly, Mass.) or Promega (Madison, Wis.) unless otherwise indicated. Oligonucleotides were from Genemed Synthesis (San Francisco, Calif.). Digoxigenin-11-dUTP (2-deoxyuridine-5-triphosphate coupled by an 11-atom spacer to digoxigenin
1999	Xu Y	Antimicrob. Agents Chemother., Sep 1999; 43: 2256 - 2262	Histatin 3-Mediated Killing of Candida albicans: Effect of Extracellular Salt Concentration on Binding and Internalization	Custom Peptides	binding of histatin to the plasma membrane. MATERIALS AND METHODS Labeling of histatin 3. Histatin 3 was synthesized by GeneMed Synthesis, Inc. (San Francisco, Calif.), and purified by high-pressure liquid chromatography. Composition of the protein was.....
1999	Yan G	J. Immunol., Jan 1999; 162: 852 - 859	Novel Splicing of the Human MHC-Encoded Peptide Transporter Confers Unique Properties	Custom Peptides	.....corresponding cells. Both peptide 1 and peptide 3 were synthesized by Quality Controlled Biochemical (Hopkington, MA), and peptide 2 by Genemed Synthesis (San Francisco, CA),

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					and their sequences were confirmed by mass spectrometry. The purity of all peptides was 95.....
1999	Zhang H-F	J. Biol. Chem., Apr 1999; 274: 10969 - 10974	Identification of the Individual Residues That Determine Human CD59 Species Selective Activity	Custom Peptides	.....Diego, CA). Four CD59 sequence specific peptides were synthesized and high pressure liquid chromatography-purified (80) by Genemed (South San Francisco, CA); peptide 1, RLRENELTY; peptide 2, FNDVTTRLRENELTY; peptide 3, WKFEHCNFNDVTTRLRENELTY; and peptide
1999	Zolla-Pazner S	J. Virol., May 1999; 73: 4042 - 4051.	Immunotyping of Human Immunodeficiency Virus Type 1 (HIV): an Approach to Immunologic Classification of HIV	Custom Peptides	purity of 80. All peptides from Intracel contained cysteine residues at the N terminus. One peptide, D687, was synthesized by Genemed Biotechnologies, Inc. (South San Francisco, Calif.); it was synthesized by using the standard 9-fluorenylmethoxycarbonyl (Fmoc
2000	Arregui C	J. Cell Biol., Jun 2000; 149: 1263 - 1274	The Nonreceptor Tyrosine Kinase Fer Mediates Cross-talk between N-Cadherin and ß1-Integrins	Custom Peptides	Fer were synthesized as fusions with the antennapedia homeodomain cell permeation sequence ( ) and purified to >90% by HPLC (Genemed Biotechnologies, Inc. see 1): control antennapedia peptide (COP), RQIKIWFQNRRMKWKK catenin binding peptide (CBP), RQIKIWFQNRRMKWKKSLLVFDYEGSG STAGSLSSL
2000	Balaban N	Peptides, Volume 21, Issue 9, September 2000, Pages 1301-1311	Prevention of diseases caused by Staphylococcus aureus using the peptide RIP	Custom Peptides	RIPb(YSPWTNF)
2000	Balija VS	J. Biol. Chem., Oct 2000; 275: 31668 - 31673	Identification of Two Transmembrane Regions and a Cytosolic Domain of Rat Mitochondrial Glycerophosphate Acyltransferase	Custom Peptides	regions of rat mitochondrial GAT were purchased from Genemed Synthesis, Inc. Briefly, the company was supplied with...Enzyme-linked immunosorbent assay titers performed by Genemed for each the three anti-serum types against their respective
2000	Bang S-W	Appl. Envir. Microbiol., Sep 2000; 66: 3939 - 3944	Engineering Hydrogen Sulfide Production and Cadmium Removal by Expression of the Thiosulfate Reductase Gene (phsABC) from Salmonella enterica Serovar Typhimurium in Escherichia coli	Custom Oligo/DNA	.....thermal cycler manufacturer (MJ Research, Inc., Waltham, Mass.). Oligonucleotide primers were synthesized by a commercial vendor (Genemed, Inc., San Francisco, Calif.). The primer sequences derived from the phsABC region were 5-tcagcgaattctaataacaggagg-3 (forward..
2000	Brubaker K	Cell, Volume 103, Issue 4, 10 November 2000, Pages 655-665	Solution Structure of the Interacting Domains of the Mad–Sin3 Complex: Implications for Recruitment of a Chromatin-Modifying Complex	Custom Peptides	hexadecapeptide corresponding to residue 6-21 of Mad1 (SID)
2000	Chaussee MS	Infect. Immun., Jun 2000; 68: 3226 - 3232	Streptococcal Erythrogenic Toxin B Abrogates Fibronectin-Dependent Internalization of Streptococcus pyogenes by Cultured Mammalian Cells	Custom Oligo/DNA	.....Oligonucleotide primers () emmF (5-GGCGGGAATCCACTATTCGCTTAGA-3) and emmR (5-GGCGGGAATTCAGTTCTTCAGCTTGT-3) were purchased from Genemed Biotechnologies, Inc. (San Francisco, Calif.). Thirty cycles of amplification were carried out with a Perkin-Elmer 9600 DNA
2000	Ding J	FEMS Immunology and Medical Microbiology, Volume 29, Issue 2, October 2000, Pages 123-127	Candidate multi-epitope vaccines in aluminium adjuvant induce high levels of antibodies with predefined multi-epitope specificity against HIV-1	Custom Peptides	Seven peptides containing epitopes on HIV-1III envelope proteins

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2000	Ding J	Immunology & Medical Microbiology, Volume 29, Issue 2: 123-127. doi: 10.1111/j.1574-695X.2000.tb01514.x	Candidate multi-epitope vaccines in aluminium adjuvant induce high levels of antibodies with predefined multi-epitope specificity against HIV-1 FEMS	Custom Peptides	MP: CGGPGRAFYGELDKWAGRILAVERYLK DK (317-323, 669-674, 586-596). (V3)4: C-(GPGRAFY)4 (317-323). V3 loop: C-TRPNNNTRKSIRIQRGPGRAFYTIGKI (301-328). (P1)2 : C-(RILAVERYLKD-G)2 (586-596). P1: LQARILAVERYLKDQQL (583-599). (2F5)4: C-(ELDKWAG)4 (669-674). P2: C-TSLIHSLIEESQNQQEKNEQELLELDKW A (646-674).
2000	Doebele RC	Immunity, Volume 13, Issue 4, 1 October 2000, Pages 517-527	Determination of the HLA-DM Interaction Site on HLA-DR Molecules	Custom Peptides	Human CLIP with a C-terminal lysine (LPKPPKPVSKKMRMATPLLMQALPK
2000	Duchosal MA	Experimental Hematology, Volume 28, Issue 2, February 2000, Pages 177-192	Human adult tonsil xenotransplantation into SCID mice for studying human immune responses and B cell lymphomagenesis	Custom Peptides	33 P-labeled EBV oligonucleotide probe (5 9 -TAC CTG GGA TCG AAT GAC AGA GAA GCT GCT TGT CTC CGC A-3 9
2000	Erdem A	Analytica Chimica Acta, Volume 422, Issue 2, 12 November 2000, Pages 139-149	Novel hybridization indicator methylene blue for the electrochemical detection of short DNA sequences related to the hepatitis B virus	Custom Peptides	29-mer and 21-mer synthetic oligonucleotides
2000	Fang S	Endocrinology, Apr 2000; 141: 1377 - 1383	Development of a Transgenic Mouse That Overexpresses a Novel Product of the Growth Hormone-Releasing Hormone Gene	Custom Peptide Antibodies	to nitrocellulose (NitroPure, MSI, Westboro, MA), and the resulting membrane was probed with a polyclonal primary antibody (Genemed Synthesis, Inc., South San Francisco, CA) directed against rat GHRH-RP. After washing, peptides were visualized using a horseradish
2000	Gao Y	J. Clin. Invest., Aug 2000; 106: 439 - 448	Inhibition of ubiquitin-proteasome pathway–mediated I B degradation by a naturally occurring antibacterial peptide	Custom Peptides	described previously (32). Synthetic PR39 peptide was generated on the basis of porcine sequence (26) and purified by HPLC (Genemed Synthesis Inc., South San Francisco, California, USA). Lactacystin and MG132 were obtained from Calbiochem-Novabiochem Corp.....
2000	Goomer RS	Endocrinology, Dec 2000; 141: 4613 - 4622	The Tetrabasic KKKK147–150 Motif Determines Intracrine Regulatory Effects of PTHrP 1–173 on Chondrocyte PPi Metabolism and Matrix Synthesis	Custom Peptides	.....wild-type PTHrP peptide 140-173 and mutant PTHrP 140-173, bearing the missense mutation GQKG at the 147-150 domain (purchased from Genemed Synthesis (South San Francisco, CA), were introduced into TC28 cells via permeabilization by a protocol that we first optimized
2000	Harb OS	Infect. Immun., Jan 2000; 68: 368 - 376	Characterization of a Macrophage-Specific Infectivity Locus (milA) of Legionella pneumophila	Custom Peptides	Oligonucleotide synthesis for PCR was done by Integrated DNA Technologies Inc. (Coralville, Calif.). Sequencing was carried out by Genemed Synthesis Inc. (South San Francisco, Calif.). Sequence comparisons and alignments were performed with the BlastX and Blast2
2000	Hastings RH	Am J Physiol Lung Cell Mol Physiol, Jul 2000; 279: 194 - 200	Parathyroid hormone-related protein reduces alveolar epithelial cell proliferation during lung injury in rats	Custom Peptides	.....Antibody (Berkeley, CA). The antigenic peptide for the PTHrP receptor antibody, NH2-ESKENKDVPTGSRRRGR-COOH (), was purchased from Genemed Biotechnologies (South San Francisco, CA). Biotinylated goat anti-mouse and anti-rabbit IgG antibodies were purchased from

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2000	Jeng JH	Carcinogenesis, Jul 2000; 21: 1365 - 1370	Areca nut extract up-regulates prostaglandin production, cyclooxygenase-2 mRNA and protein expression of human oral keratinocytes	Custom Peptides	.....was prepared and weighed as described previously (4,5). Specific PCR primer sets for COX-2 and beta-actin were synthesized by Genemed Biotechnologies, Inc. (San Francisco, CA). Mouse anti-human COX-2 monoclonal antibody was purchased from Transduction Laboratories
2000	Jenkins JL	J. Biol. Chem., May 2000; 275: 14423 - 14431	Bivalent Sequential Binding Model of a Bacillus thuringiensis Toxin to Gypsy Moth Aminopeptidase N Receptor	Custom Oligo/DNA	.....performed with a Bio-Rad Muta-Gene phagemid in vitro mutagenesis kit. Mutagenic primers were purchased from Biosynthesis or Genemed. Automated DNA sequencing with a United States Biochemical Corp. kit was performed according to manufacturers instructions
2000	Juan V	Nucleic Acids Res., Mar 2000; 28: 1221 - 1227	Evidence for evolutionarily conserved secondary structure in the H19 tumor suppressor RNA	Custom Oligo/DNA	identified by PCR amplification and automatically sequenced using the Sanger dideoxy method with M13 forward and reverse primers (Genemed Synthesis Incorporated, San Francisco, CA). The location of introns in the newly determined sequences was deduced by alignment
2000	Keyhani NO	J. Biol. Chem., Oct 2000; 275: 33068 - 33076	Chitin Catabolism in the Marine Bacterium Vibrio furnissii. IDENTIFICATION AND MOLECULAR CLONING OF A CHITOPORIN	Custom Oligo/DNA	N,N-3Hdiacetylthiochitobiose (3H Me-TCB or Me-TCB) was prepared (,) as described. Oligonucleotide primers were synthesized and purchased from Genemed (San Francisco, CA). Purified phosphoenolpyruvate:glycose transferase (PTS) general proteins, Enzyme I and HPr were kind.....
2000	Khlebnikov A	J. Bacteriol., Dec 2000; 182: 7029 - 7034	Regulatable Arabinose-Inducible Gene Expression System with Consistent Control in All Cells of a Culture	Custom Peptides	Mannheim (Indianapolis, Ind.) and New England Biolabs (Beverly, Mass.). Oligonucleotide synthesis and sequencing were done by Genemed (South San Francisco, Calif.). All relevant strains and plasmids used in this study are listed in Table . E. coli was grown
2000	Kokai-Kun JF	J. Biol. Chem., Feb 2000; 275: 3713 - 3721	Elastase in Intestinal Mucus Enhances the Cytotoxicity of Shiga Toxin Type 2d	Custom Peptides	.....specific for the A2 fragment of Stx2d was generated at Genemed Biotechnologies Inc. (San Francisco, CA) by injecting rabbits...specific for the A 2 fragment of Stx2d was generated at Genemed Biotechnologies Inc. (San Francisco, CA) by injecting rabbits
2000	Kumaraguru U	J. Virol., Jun 2000; 74: 5709 - 5711	Application of the Intracellular Gamma Interferon Assay To Recalculate the Potency of CD8+ T-Cell Responses to Herpes Simplex Virus	Custom Peptides	.....respectively) for 10 to 12 h. A portion of C57BL/6 splenocytes was also stimulated with SSIEFARL (HSVgB498-505synthesized at Genemed Synthesis, Inc., San Francisco, Calif.) peptide (1 mg/ml) for 6 h, in a 96-well flat-bottomed plate at a concentration of 106.....
2000	Li H	J. Cell Biol., Jun 2000; 149: 1275 - 1288.	Coordinate Regulation of Cadherin and Integrin Function by the Chondroitin Sulfate Proteoglycan Neurocan	Custom Peptides	.....antennapedia homeodomain ( ) and sequences from the N-cadherin cytoplasmic domain () were synthesized and purified to >90% by HPLC (Genemed Biotechnologies, Inc.). All peptides were dissolved in sterile deionized water, stored in small aliquots at 70C, and used at
2000	Liao M	Peptides, Volume 21, Issue 4, April 2000, Pages 463-468	Induction of high level of specific antibody response to the neutralizing epitope ELDKWA on HIV-1 gp41 by peptide-vaccine	Custom Peptides	ELDKWA-tetramer peptide E/2F4 of gp41; carrier peptide K/G ((KGGG7-K))
2000	Lin S		Shankung Lin, Wengong Wang, Gerald M. Wilson, Xiaoling Yang, Gary Brewer, Nikki J. Holbrook, and Myriam Gorospe Down-Regulation of Cyclin D1 Expression by Prostaglandin A2 Is Mediated by Enhanced Cyclin D1	Custom Peptides	the peptide SPRHSEAATAQRE, encoded by exon 2 of the human AUF1 gene, was synthesized with an N-terminal cysteine residue by Genemed Synthesis, Inc. (South San Francisco, Calif.), its purity assessed by high-performance liquid chromatography, and its identity

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			mRNA Turnover Mol. Cell. Biol., Nov 2000; 20: 7903 - 7913		
2000	Liu B	J. Biol. Chem., Oct 2000; 275: 33607 - 33613	Direct Functional Interactions between Insulin-like Growth Factor-binding Protein-3 and Retinoid X Receptor- Regulate Transcriptional Signaling and Apoptosis	Custom Peptides	extracts were purchased from Santa Cruz Biotechnology, Inc. (Santa Cruz, CA). IGFBP-3 blocking peptides were purchased from Genemed Synthesis (South San Francisco, CA). Retinoic acid, dimethyl sulfoxide, and Igepal CA-630 were purchased from Sigma. Tris.....
2000	Liu C	J. Biol. Chem., Aug 2000; 275: 24490 - 24499	Mammalian Peptidoglycan Recognition Protein Binds Peptidoglycan with High Affinity, Is Expressed in Neutrophils, and Inhibits Bacterial Growth	Custom Peptides	manufacturer and then using automatic sequencing performed at Genemed Synthesis (South San Francisco, CA). Generation of...peptides were synthesized and purified (95 pure) by HPLC by Genemed Synthesis (South San Francisco, CA) and then coupled to.....
2000	Liu RY	J. Biol. Chem., Jul 2000; 275: 21086 - 21093	Activation of p38 Mitogen-activated Protein Kinase Is Required for Tumor Necrosis Factor- -supported Proliferation of Leukemia and Lymphoma Cell Lines	Custom Peptides	.....Both SN50 and SN50mt were synthesized commercially (Genemed Synthesis, South San Francisco, CA). The peptides were...29). Both SN50 and SN50mt were synthesized commercially (Genemed Synthesis, South San Francisco, CA). The peptides were
2000	Lu	Scandinavian Journal of Immunology, Volume 51, Issue 5: 497-501. doi: 10.1046/j.1365-3083.2000.00713.x	Multiepitope Vaccines Intensively Increased Levels of Antibodies Recognizing Three Neutralizing Epitopes on Human Immunodeficiency Virus-1 Envelope Protein	miscl	
2000	Menoret A	Journal of Immunological Methods, Volume 237, Issues 1-2, 3 April 2000, Pages 119-130	Purification of multiple heat shock proteins from a single tumor sample	Custom Peptides	125 I-labeled VSV19 peptide (SLSDLRGYVYQGLKSGNVS)
2000	Messmer TB	Molecular Immunology, Volume 37, Issue 7, May 2000, Pages 343-350	C1q-binding peptides share sequence similarity with C4 and induce complement activation	Custom Peptides	
2000	Morgan H	FASEB J, Jun 2000; 14: 1109 - 1116	The transactivation-competent carboxyl-terminal domain of AF-9 is expressed within a sexually dimorphic transcript in rat pituitary	miscl	.....residues 282-295 of the largest rAF-9 ORF) as immunogen (Genemed Synthesis Inc., San Francisco, Calif.). The peptide sequence...affinity purification and enzyme-linked immunoassay analysis (Genemed), the antiserum was used to probe Western blots of whole
2000	Myers JM	J. Bacteriol., Jan 2000; 182: 67 - 75.	Role of the Tetraheme Cytochrome CymA in Anaerobic Electron Transport in Cells of Shewanella putrefaciens MR-1 with Normal Levels of Menaquinone	Custom Peptides	.....England BioLabs (Beverly, Mass.). Custom oligonucleotide primers were synthesized by Operon Technologies (Alameda, Calif.) or by Genemed Biotechnologies (South San Francisco, Calif.). Vitamin K2 (menaquinone-4, MK-4) and coenzyme Q6 (ubiquinone-6) and Q10 (ubiquinone-10. Role of the Tetraheme Cytochrome CymA in Anaerobic Electron Transport in Cells of Shewanella putrefaciens MR-1 with Normal Levels of Menaquinone J. Bacteriol., Jan 2000; 182: 67 - 75.
2000	Nangia-Makker P	Am. J. Pathol., Mar 2000; 156: 899 - 909	Galectin-3 Induces Endothelial Cell Morphogenesis and Angiogenesis	Custom Peptide Antibodies	by extensive dialysis against PBS (pH 7.4). The pAb was prepared in rabbits against purified human recombinant galectin-3 (Genemed Biotechnologies, S. San Francisco, CA). The anti-galectin-3 mAb-producing hybridoma TIB-166 was purchased from ATCC. Mouse.....

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2000	Nguyen VT	Am. J. Pathol., Oct 2000; 157: 1377 - 1391	Novel Human 9 Acetylcholine Receptor Regulating Keratinocyte Adhesion is Targeted by Pemphigus Vulgaris Autoimmunity	Custom Peptides	.....terminus of a9 AChR 33,34 (cwhdayltwdrdqydrld and cnkaddessepvntn; residues 65-81 and 99-112, respectively) synthesized at Genemed Synthesis, Inc. (San Francisco, CA). To immunoaffinity purify rabbit anti-AChR antibodies, the peptides were covalently conjugated
2000	Ozkan Se	International Journal of Dermatology, Volume 39, Issue 4: 278-283. doi: 10.1046/j.1365-4362.2000.00912.x	Evidence for Borrelia burgdorferi in morphea and lichen sclerosus	miscl	
2000	Pilon M	Mol. Biol. Cell, Oct 2000; 11: 3277 - 3288	The Diabetes Autoantigen ICA69 and Its Caenorhabditis elegans Homologue, ric-19, Are Conserved Regulators of Neuroendocrine Secretion	Custom Peptides	generated by immunizing a rabbit against a peptide corresponding to the 20 C-terminal amino acids of the predicted RIC-19 protein (Genemed Synthesis, San Francisco, CA). Antibody 6097 was affinity purified with the peptide used for immunization and used at a 1:5000
2000	Prasad R	Journal of Pediatric Surgery, Volume 35, Issue 2, February 2000, Pages 357-359	Glucagonlike peptide-2 analogue enhances intestinal mucosal mass after ischemia and reperfusion	Custom Peptides	
2000	Romanin C	FEBS Letters, Volume 487, Issue 2, 29 December 2000, Pages 301-306	Ca2+ sensors of L-type Ca2+ channel	miscl	
2000	Schense JC	J. Biol. Chem., Mar 2000; 275: 6813 - 6818	Three-dimensional Migration of Neurites Is Mediated by Adhesion Site Density and Affinity	Custom Peptides	.....pH 7.0, as the running buffer. The cyclic peptide, NH2-LNQEQVSPDCRGDNRC (cyclic ring shown in brackets), was purchased from Genemed (South San Francisco, CA) at greater than 85 purity. Fibrinogen solutions were prepared by dissolving fibrinogen (Fluka, Buchs
2000	Smolke CD	Appl. Envir. Microbiol., Dec 2000; 66: 5399 - 5405	Coordinated, Differential Expression of Two Genes through Directed mRNA Cleavage and Stabilization by Secondary Structures	Custom Peptides	used in each PCR step were synthesized by Genemed Synthesis, Inc. DNA amplification was...various DNA cassettes were synthesized (Genemed Synthesis, Inc.) as two complementary...5-CGACGGGATCTGCGATAGCTGTC-3), was synthesized (Genemed Synthesis, Inc.) to bind 50 nucleotides
2000	Sun F	J. Biol. Chem., May 2000; 275: 14360 - 14366	Protein Kinase A Associates with Cystic Fibrosis Transmembrane Conductance Regulator via an Interaction with Ezrin	Custom Peptides	AKAP in secretory epithelial cells. EXPERIMENTAL PROCEDURES Materials Ht31 and Ht31P peptides (,) were obtained from Genemed Synthesis (San Francisco, CA). Protein A/G-agarose beads and molecular weight markers were obtained from Life Technologies
2000	Tan NS	FASEB J, Sep 2000; 14: 1801 - 1813	Definition of endotoxin binding sites in horseshoe crab Factor C recombinant sushi proteins and neutralization of endotoxin by sushi peptides	Custom Peptides	.....making buffers was from Baxter (Morton Grove, Ill.). Peptides Factor C-derived peptides were synthesized and purified by Genemed Synthesis, Inc. (San Francisco, Calif.). The first peptide, N-GFKLKGMARISCLPNGQWSNFPPKCIR ECAMVSS-C, corresponding to residue
2000	Trumbo TA	J. Biol. Chem., Jun 2000; 275: 20627 - 20631	Examining Thrombin Hydrolysis of the Factor XIII Activation Peptide Segment Leads to a Proposal for Explaining the Cardioprotective Effects Observed with the Factor XIII V34L Mutation	Custom Oligo/DNA	the Cornell University Biotechnology Resource Center and Genemed Synthesis (South San Francisco, CA). The amino acid sequences...the Cornell University Biotechnology Resource Center and Genemed Synthesis (South San Francisco, CA). The amino acid sequences....

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2000	Verrier F	J. Virol., Nov 2000; 74: 10025 - 10033	A Human Immunodeficiency Virus Prime-Boost Immunization Regimen in Humans Induces Antibodies That Show Interclade Cross-Reactivity and Neutralize Several X4-, R5-, and Dualtropic Clade B and C Primary Isolates	Custom Peptides	.....synthesized and purified by standard procedures as described previously () and purchased from Intracel, Inc. (Cambridge, Mass.), Genemed Biotechnologies, Inc. (South San Francisco, Calif.), or Princeton Biomolecules Corp. (Columbus, Ohio) or provided by A. Conley
2000	Wang P	Journal of Molecular Biology, Volume 302, Issue 4, 29 September 2000, Pages 927-940	II. Structure and specificity of the interaction between the FHA2 domain of rad53 and phosphotyrosyl peptides,	Custom Peptides	Rad9 pTyr peptide (EDI(pY)(YLD)
2000	Wang P	FEBS Letters, Volume 475, Issue 2, 16 June 2000, Pages 107-110	Identification of alternative splicing variants of the β subunit of human Ca2+/calmodulin-dependent protein kinase II with different activities	Custom Peptides	autocamtide-2
2000	Wilson HL	J. Bacteriol., Mar 2000; 182: 1680 - 1692.	Biochemical and Physical Properties of the Methanococcus jannaschii 20S Proteasome and PAN, a Homolog of the ATPase (Rpt) Subunits of the Eucaryal 26S Proteasome	Custom Peptides	DNA-modifying enzymes were from New England BioLabs (Beverly, Mass.) or Promega (Madison, Wis.). Oligonucleotides were from Genemed Synthesis (San Francisco, Calif.). Polyvinylidene difluoride membranes were from MicroSeparations (Westborough, Mass.). The
2000	Wooton-Kee CR	Endocrinology, Apr 2000; 141: 1345 - 1355	Steroidogenic Factor-1 Influences Protein-Deoxyribonucleic Acid Interactions within the Cyclic Adenosine 3',5'-Monophosphate-Responsive Regions of the Murine Steroidogenic Acute Regulatory Protein Gene .	Custom Peptides	.....from NEN Life Science Products (Wilmington, DE). Custom oligonucleotides were purchased from Genosys (The Woodlands, TX) and Genemed Synthesis, Inc. (San Francisco, CA). Glutathione-S-transferase (GST)-SF-1 plasmid was donated by Dr. Keith Parker, University
2000	Yamada H	Int. Immunol., Dec 2000; 12: 1677 - 1683.	Unusual cytotoxic activities of thymus-independent, self-antigen-specific CD8+ T cells	Custom Peptides	cells of male C57BL/6 mice or those of female mice with various doses of H-Y antigen peptide sequence K-C-S-R-N-R-Q-Y-L (3) (Genemed Synthesis, South San Francisco, CA). After 4 days, cells were harvested and live cells were analyzed by a flow cytometer by.....
2000	Yu W-H	J. Biol. Chem., Sep 2000; 275: 31226 - 31232	TIMP-3 Binds to Sulfated Glycosaminoglycans of the Extracellular Matrix	Custom Peptides	TIMP-3 and RHAMM401-411 (a heparin-binding peptide from the Receptor for Hyaluronic Acid-Mediated Mobility) were synthesized (Genemed). RESULTS Sulfated Glycosaminoglycans Extract TIMP-3 from Postpartum Rat Uterus Tissue Various sulfated compounds.....
2000	Yu W-H	J. Biol. Chem., Feb 2000; 275: 4183 - 4191	Heparan Sulfate Proteoglycans as Extracellular Docking Molecules for Matrilysin (Matrix Metalloproteinase 7)	Custom Peptides	.....synthesized and high pressure liquid chromatography-purified (Genemed). They were disulfide-linked to maleimide-activated keyhole...competitors for heparin. Type I collagen and RHAMM401-411 (Genemed) are positive controls; bovine serum albumin is a negative....
2000	Zhu W	Drug Metab. Dispos., Feb 2000; 28: 186 - 191	Dexamethasone Differentially Regulates Expression of Carboxylesterase Genes in Humans and Rats	Custom Peptides	.....H2N-CQELEEPEERHTEL-COOH; and CYP3A4, H2N-CVKRMKESRLEDTQKHRVDFLQ-COOH. Peptides were synthesized and conjugated with keyhole limpet hemocyanin (Genemed Synthesis Inc., South San Francisco, CA). The first immunization was conducted by injecting each rabbit s.c. on the back with.....
2001	Armstrong CE	The Journal of Physiology, Volume 536, Issue 1: 49-65. doi: 10.1111/j.1469-7793.2001.00049.x	Rapidly inactivating and non-inactivating calcium-activated potassium currents in frog saccular hair cells	Custom Peptides	19 amino acid 'ball' peptide (MFIWTSGRTSSSYRHDEKR)

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2001	Armstrong CE	J. Physiol., Oct 2001; 536: 49 - 65	Rapidly inactivating and non-inactivating calcium-activated potassium currents in frog saccular hair cells	Custom Peptides	which constitutes the amino terminus of the BK channel 2 subunit (Wallner et al. 1999; Xia et al. 1999), was synthesized by Genemed Synthesis, Inc. (South San Francisco, CA, USA). In experiments in which we applied trypsin (bovine pancreatic; Worthington
2001	Arnold S	FEBS Letters, Volume 490, Issues 1-2, 9 February 2001, Pages 70-74	The role of a proline-induced broken-helix motif in α-helix 2 of Bacillus thuringiensis δ-endotoxins	Custom Peptides	oligonucleotides
2001	Balaban N	J. Biol. Chem., Jan 2001; 276: 2658 - 2667	Regulation of Staphylococcus aureus Pathogenesis via Target of RNAIII-activating Protein (TRAP)	Custom Peptides	21-kDa Protein Early exponential wild type S. aureus cells were incubated for 40 min in the presence of RAP , synthetic RIP (Genemed Synthesis, Inc. CA), or PBS only as a control. Cells were collected, RNA purified, and Northern blotted, and membranes were.....
2001	Baocheng H	J. Biol. Chem., May 2001; 276: 17693 - 17698	The Radioresistance to Killing of A1-5 Cells Derives from Activation of the Chk1 Pathway	Custom Peptides	.....region of Chk1 or Chk2 mRNA. The oligonucleotides used in this study are phosphorothioate oligodeoxynucleotides synthesized by Genemed Synthesis, Inc. The oligonucleotides were delivered to cells by OligofectAMINETM (Life Technologies, Inc.) according to the.....
2001	Bergmann CC	J. Immunol., Aug 2001; 167: 1575 - 1583	Impaired T Cell Immunity in B Cell-Deficient Mice Following Viral Central Nervous System Infection	Custom Peptides	.....Microchemistry Laboratory and purity assessed by HPLC and mass spectrometry. The I-Ab-restricted M133 peptide (39) was purchased from Genemed Synthesis (South San Francisco, CA). Peptides were solubilized at 1 mM in DMSO and diluted in sterile PBS. ELISPOT assays
2001	Berson JF	Mol. Biol. Cell, Nov 2001; 12: 3451 - 3464	Pmel17 Initiates Premelanosome Morphogenesis within Multivesicular Bodies	miscl	.....peptide (CPIGENSPLLSGQQV-CO2H) corresponding to the carboxy-terminal 15 residues of human Pmel17. The antiserum was generated by Genemed Synthesis (San Francisco, CA) and affinity purified with the use of SulfoLink beads (Pierce , Rockford, IL) coupled to the
2001	Binder RJ	J. Biol. Chem., May 2001; 276: 17163 - 17171	Heat Shock Protein-chaperoned Peptides but Not Free Peptides Introduced into the Cytosol Are Presented Efficiently by Major Histocompatibility Complex I Molecules	Custom Peptides	NH2-RHRVSAINNYAQKLCTFSFL-COOH; T-Ag 20-mer (C terminus extended), NH2-AINNYAQKLCTFSFLICKGV-COOH. Peptides were synthesized by Genemed to 95 purity as determined by high pressure liquid chromatography. The unextended MHC I binding 9-mer peptide is identical
2001	Binder RJ	J. Immunol., Apr 2001; 166: 4968 - 4972	Adjuvanticity of 2-Macroglobulin, an Independent Ligand for the Heat Shock Protein Receptor CD91	Custom Peptides	.....C57BL/6 mice (The Jackson Laboratory, Bar Harbor, ME) by flushing with cold PBS. Peptides AH1-20 and OVA20 were synthesized at Genemed Synthesis (San Francisco, CA). AH1-20 refers to a 20-mer extended variant (NH2-RVTYHSPSYVYHQFERRAK-COOH) of the Ld-binding
2001	Buczynski G	J. Biol. Chem., Jul 2001; 276: 27231 - 27236	Characterization of a Lidless Form of the Molecular Chaperone DnaK. DELETION OF THE LID INCREASES PEPTIDE ON- AND OFF-RATE CONSTANTS	Custom Peptides	which were conducted at the University of Nebraska (Protein Structure Core Facility, Omaha). Peptides were synthesized by Genemed Synthesis Inc. (South San Francisco), purified to 95 by HPLC , and peptide mass was verified by electrospray mass spectroscopy
2001	Byeon I-JL	Journal of Molecular Biology, Volume 314, Issue 3, 30 November 2001, Pages 577-588	Solution structure of the yeast Rad53 FHA2 complexed with a phosphothreonine peptide pTXXL: comparison with the structures of FHA2-pYXL and FHA1-pTXXD complexes	Custom Peptides	purified Rad9-derived pT peptides

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2001	Castellanos MR	Critical Reviews in Oncology/Hematology, Volume 39, Issues 1-2, August 2001, Pages 133-138	A rapid method to identify cytotoxic T-lymphocyte peptide epitopes from HLA-A2 (+) donors	Custom Peptides	peptides from HPV-18 E7
2001	Chan SF	J. Neurosci., Oct 2001; 21: 7985 - 7992	An NMDA Receptor Signaling Complex with Protein Phosphatase 2A	Custom Peptides	.....Technologies Inc.), was added and incubated at 30C for 30 min. Peptide synthesis. Synthetic peptide (SP1) was purified by HPLC (Genemed Synthesis, San Francisco, CA). The amino acid sequence of the synthetic peptide was: GEHIVHRLLLPRIKNKSKLQYWLHTSQR FHRALNTSF
2001	Chang N-S	J. Biol. Chem., Jan 2001; 276: 3361 - 3370	Hyaluronidase Induction of a WW Domain-containing Oxidoreductase That Enhances Tumor Necrosis Factor Cytotoxicity	Custom Peptides	.....construct 18) (see Table). Antibody Production A WOX1 peptide (RLAFTVDDNPTKPTTRQRY, amino acids 89-107) was synthesized by Genemed Biotechnologies, Inc. (San Francisco, CA) and conjugated with keyhole limpet hemocyanin for antibody production in rabbits.....
2001	Cheng Q	J. Neurosci., May 2001; 21: 3419 - 3428	Suppression of Neuronal Hyperexcitability and Associated Delayed Neuronal Death by Adenoviral Expression of GABAC Receptors	Custom Peptides	peptide conjugated with keyhole limpet hemocyanin (QRQRREVHEDAHK) (Hackam et al., 1997) was prepared and affinity purified by Genemed Synthesis (South San Francisco, CA). Double immunohistochemical staining for GFP and P1 subunit proteins was accomplished by.....
2001	Cui S-S	J. Neurosci., Dec 2001; 21: 9867 - 9876	Prevention of Cannabinoid Withdrawal Syndrome by Lithium: Involvement of Oxytocinergic Neuronal Activation	Custom Peptides	.....s.c., dissolved in physiological saline; Sigma), oxytocin fragment 4-9 (2 Mg/kg, s.c., dissolved in physiological saline; Genemed Synthesis Inc., San Francisco, CA) or saline injection 15 min before AM281 precipitation (Table , groups 19-21); (2) under
2001	Cunnick JM	J. Biol. Chem., Jun 2001; 276: 24380 - 24387	Phosphotyrosines 627 and 659 of Gab1 Constitute a Bisphosphoryl Tyrosine-based Activation Motif (BTAM) Conferring Binding and Activation of SHP2	Custom Peptides	.....purchased from Calbiochem. Gab1-derived peptides PY589, PY627, PY659, PY627PY659, and Y627Y659 were synthesized and purified by Genemed Synthesis, Inc. The amino acid sequences of these peptides are (pY denotes phosphotyrosine residue): PY589: DSEENpYVPMNPNL
2001	Dai B	J. Biol. Chem., Mar 2001; 276: 6937 - 6944	Identification of a Novel Cis Element Required for Cell Density-dependent Down-regulation of Insulin-like Growth Factor-2 P3 Promoter Activity in CaCo2 Cells	Custom Peptides	Fig.) that contained a representative P3 core promoter (712/140). Two pairs of 100-bp oligonucleotides were synthesized (Genemed Syn Inc.) for ligation to the homologous core P3 promoter. The WT sense and antisense oligonucleotide sequences represented
2001	Denkberg G	J. Immunol., Jul 2001; 167: 270 - 276	Critical Role for CD8 in Binding of MHC Tetramers to TCR: CD8 Antibodies Block Specific Binding of Human Tumor- Specific MHC-Peptide Tetramers to TCR	Custom Peptides	.....the peptide TAX (LLFGYPVYV), derived from human T cell leukemia virus (HTLV)-1, were synthesized by standard techniques by Genemed Synthesis (South San Francisco, CA) and were 95% pure. Production of scMHC-peptide tetramers was performed as described previously
2001	Dery O	Am J Physiol Cell Physiol, May 2001; 280: C1097 - C1106.	Protein kinase C-mediated desensitization of the neurokinin 1 receptor Am J Physiol Cell Physiol, May 2001; 280: C1097 - C1106.	Custom Peptides	.....was from Promega (Madison, WI). The expression vector pcDNA3 was from Invitrogen (Carlsbad, CA). Oligonucleotides were from Genemed Biotechnologies (San Francisco, CA). Lipofectin, DMEM, and PBS were from Life Technologies (Gaithersburg, MD). G418 was from
2001	Deshpande SP	J. Virol., Apr 2001; 75: 3077 - 3088	Herpes Simplex Virus-Induced Keratitis: Evaluation of the Role of Molecular Mimicry in Lesion Pathogenesis	Custom Peptides	.....University of Pittsburgh, Pittsburgh, Pa.). UL6 (299-314), IgG2a (292-308), and hemagglutinin (HA) peptides were synthesized by Genemed Synthesis, Inc.,

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
					South San Francisco, Calif. Corneal HSV infections and clinical observations. Corneal infections of all.....
2001	Ding JL	Volume 759, Issue 2, 15 August 2001, Pages 237-246	High-performance affinity capture-removal of bacterial pyrogen from solutions Journal of Chromatography B: Biomedical Sciences and Applications,	Custom Peptides	S3d (NH - HAEHKVKIKVKQKYGQFPQGTEV-centrations, and injected into the flow cell at a rate of 2 TYTCSGNYFLM-COOH)
2001	Dong X-N	Immunology Letters, Volume 75, Issue 2, 1 January 2001, Pages 149-152	ELNKWA-epitope specific antibodies induced by epitope-vaccine recognize ELDKWA- and other two neutralizing-resistant mutated epitopes on HIV-1 gp41	Custom Peptides	
2001	Doyle TC	Biophys. J., Jan 2001; 80: 427 - 434	Tryptophan Fluorescence of Yeast Actin Resolved via Conserved Mutations	Custom Peptides	.....Escherichia coli. Transformants showing restriction digests corresponding to mutated residues were confirmed by dideoxy-sequencing (GeneMed Inc, San Francisco, CA). Multiple tryptophan mutations were made by repeating the above mutagenic strategy with appropriate
2001	Dumont RA	J. Neurosci., Jul 2001; 21: 5066 - 5078	Plasma Membrane Ca2+-ATPase Isoform 2a Is the PMCA of Hair Bundles	Custom Peptides	.....Synthetic PMCA peptides, designed with an added N- or C-terminal cysteine residue, were used for the production of antisera (GeneMed Synthesis, South San Francisco, CA). To purify antipeptide antibodies, we coupled peptides to SulfoLink resin (Pierce, Rockville
2001	Eo SK	J. Immunol., Oct 2001; 167: 3592 - 3599	Plasmid DNA Encoding CCR7 Ligands Compensate for Dysfunctional CD8+ T Cell Responses by Effects on Dendritic Cells	Custom Peptides	.....specific for MHC class I (H-2b)-restricted CD8 T lymphocytes (25, 26) was chemically synthesized, purified, and quantitated by Genemed Synthesis (South San Francisco, CA). Plasmid DNA preparation Plasmid DNA encoding CCL21 or CCL19 was kindly provided by.....
2001	Erlenbach I	J. Biol. Chem., Jul 2001; 276: 29382 - 29392	Single Amino Acid Substitutions and Deletions That Alter the G Protein Coupling Properties of the V2 Vasopressin Receptor Identified in Yeast by Receptor Random Mutagenesis	Custom Peptides	.....region coding for the i2 loop (see Fig.), the following oligonucleotide coding for V2 receptor residues 134-164 was used (Genemed Synthesis, Inc., San Francisco, CA; underlines denote bases doped with 10 non-wild-type nucleotides): 5-ACG CTG GAC CGC CAC.....
2001	Fares FA	J. Biol. Chem., Feb 2001; 276: 4543 - 4548	Engineering a Potential Antagonist of Human Thyrotropin and Thyroid-stimulating Antibody	Custom Peptides	were purchased from New England BioLabs (Beverly, MA). Oligonucleotides used for chimeric construction were purchased from Genemed Biotechnology (San Francisco, CA). Cell culture media and reagents were obtained from Biological Industries (Beit hemeek, Israel
2001	Fonteneau JF	Journal of Immunological Methods, Volume 258, Issues 1-2, 1 December 2001, Pages 111-126	Generation of high quantities of viral and tumor-specific human CD4+ and CD8+ T-cell clones using peptide pulsed mature dendritic cells	Custom Peptides	gp100Ž209 – 217. ŽITDQVPFSV, HLA-A) 0201. and Influenza HAŽ307 – 319. ŽPKYVKQNTLKLAT, HLA- DRb1) 0401.
2001	Gavigan CS	Molecular and Biochemical Parasitology, Volume 117, Issue 1, 28 September 2001, Pages 37-48	The role of aminopeptidases in haemoglobin degradation in Plasmodium falciparum-infected erythrocytes	Custom Peptides	
2001	Gerson JH	J. Biol. Chem., May 2001; 276: 18442 - 18449	Tropomyosin-Troponin Regulation of Actin Does Not Involve Subdomain 2 Motions	Custom Peptides	in D51C the PleI site is lost while in C374S the HindIII is added). Actin genes from screened plasmid clones were sequenced (GeneMed, San Francisco, CA) to confirm the absence of random errors. The construction of the Q41C and Q41C/C374S mutants was reported.....

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2001	Glavas NA	PNAS, May 2001; 98: 6319 - 6324	T cell activation up-regulates cyclic nucleotide phosphodiesterases 8A1 and 7A3	Custom Peptides	specific for the N terminus (PIL9: MGCAPSIHTSENRTF) of mouse PDE8A1. The PDE7A3 peptide polyclonal antibody was obtained from Genemed Biotechnologies (South San Francisco, CA) and is specific for the C terminus (6976: QIGNYTYLDIAG) of this enzyme. CD4 T.....
2001	Grimwood J	Infect. Immun., Apr 2001; 69: 2383 - 2389	Expression of Chlamydia pneumoniae Polymorphic Membrane Protein Family Genes	Custom Peptides	.....cysteine added to the native sequence to facilitate conjugation. Peptides were synthesized using solid-phase techniques by Genemed Synthesis Inc. (South San Francisco, Calif.) and conjugated to keyhole limpet hemocyanin (KLH) using Sulfo-SMCC cross-linker
2001	Guo F-Q	PLANT CELL, Aug 2001; 13: 1761 - 1777	The Arabidopsis Dual-Affinity Nitrate Transporter Gene AtNRT1.1 (CHL1) Is Activated and Functions in Nascent Organ Development during Vegetative and Reproductive Growth	Custom Peptides	.....were made against the N-terminal peptide of CHL1 (MSLPETKSDDILLDA, with a Cys residue added at the C terminus for coupling) by Genemed Synthesis (South San Francisco, CA). Antisera were purified by antigen affinity chromatography with CHL1 peptide-coupled agarose
2001	Guo R	Am J Physiol Endocrinol Metab, Oct 2001; 281: E837 - E847	Analysis of recombinant Phex: an endopeptidase in search of a substrate	Custom Peptides	.....mutant peptide (172-PIPRQHTQSAEDDSE-186) that substitutes glutamine for arginine at positions 176 and 179 were synthesized by Genemed Synthesis (San Francisco, CA). Leuenkephalin, consisting of the sequence YGGFL, was obtained from Bachem Biosciences (King.....
2001	Heredia J	J. Biol. Chem., Mar 2001; 276: 8793 - 8797	Phosphorylation and Cu+ Coordination-dependent DNA Binding of the Transcription Factor Mac1p in the Regulation of Copper Transport	Custom Oligo/DNA	optimal codons and is tagged with a single copy of HA epitope at the carboxyl terminus. The DNA was synthesized in vitro (GeneMed). A single copy plasmid pRSMac1(3HA) was constructed essentially the same as pRSMac1(HA) as described previously (). To introduce
2001	Kang MG	J. Biol. Chem., Aug 2001; 276: 32917 - 32924	Biochemical and Biophysical Evidence for 2 Subunit Association with Neuronal Voltage-activated Ca2+ Channels	Custom Peptide Antibodies	.....respectively, have been described previously (,). The 3 subunit-specific polyclonal antibody, Rabbit 302, was generated by Genemed Synthesis (South San Francisco, CA) against an amino-terminal cysteine 12-mer peptide (Research Genetics, Huntsville, AL) corresponding
2001	Khlebnikov A	Microbiology, Dec 2001; 147: 3241 - 3247	Homogeneous expression of the PBAD promoter in Escherichia coli by constitutive expression of the low-affinity high-capacity AraE transporter	Custom Peptides	System (Roche Molecular Biochemicals) under the conditions recommended by the manufacturer. Oligonucleotides were synthesized by Genemed Synthesis. The restriction digests and ligation reactions were performed as recommended by the restriction enzyme manufacturer
2001	Knowle D	Peptides, Volume 22, Issue 12, December 2001, Pages 2145-2149	Role of Asp297 of the AT2 receptor in high-affinity binding to different peptide ligands	Custom Oligo/DNA	ligand Sar-Asp-Val-Tyr-Ile-His-Pro-Ile
2001	Lai A	Mol. Cell. Biol., Apr 2001; 21: 2918 - 2932	RBP1 Recruits the mSIN3-Histone Deacetylase Complex to the Pocket of Retinoblastoma Tumor Suppressor Family Proteins Found in Limited Discrete Regions of the Nucleus at Growth Arrest	Custom Peptides	.....polyclonal antiserum was produced commercially by injecting an amino-terminal RBP1 peptide (CLKQDNTTQLVQDDQVKGPLRV) into rabbits (Genemed Synthesis Inc.). Monoclonal antibody NM11 against p300 was kindly provided by Betty Moran (). Antibodies against pRB purchased
2001	Lenart J	Antimicrob. Agents Chemother., Aug 2001; 45: 2198 - 2203	Growth and Development of Tetracycline-Resistant Chlamydia suis	Custom Peptides	.....Rabbit antiserum against a peptide (CGAGKVEDKGSAGELC) in the strain R19 major outer membrane protein (MOMP) was produced by Genemed Synthesis, Inc. (San Francisco, Calif.). The peptide was linked to keyhole limpet

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					hemocyanin and administered in complete Freunds
2001	Li JS-Y	J. Immunol., Feb 2001; 166: 1855 - 1862	Outer Membrane Protein-Specific Monoclonal Antibodies Protect SCID Mice from Fatal Infection by the Obligate Intracellular Bacterial Pathogen Ehrlichia chaffeensis	Custom Peptides	.....Peptides were adsorbed in sodium carbonate buffer (pH 9.6), at a concentration of 10 Mg/ml. The peptides were synthesized by Genemed Synthesis (South San Francisco, CA; peptide 61-90), or by the Wadsworth Center Peptide Synthesis Core Facility. The microtiter
2001	Li Y	J. Biol. Chem., Oct 2001; 276: 40982 - 40990	MARCKS Protein Is a Key Molecule Regulating Mucin Secretion by Human Airway Epithelial Cells in Vitro	Custom Peptides	Peptides Both the myristoylated N-terminal sequence (MANS) and the random N-terminal sequence (RNS) peptides were synthesized at Genemed Synthesis, Inc. (San Francisco, CA), then purified by high pressure liquid chromatography (95 pure), and confirmed by mass
2001	Mack AM	PLANT CELL, Oct 2001; 13: 2319 - 2331	The Arabidopsis TAG1 Transposase Has an N-Terminal Zinc Finger DNA Binding Domain That Recognizes Distinct Subterminal Motifs	cp, cab	cysteine residue added to the C terminus for eventual conjugation. Peptide synthesis and antibody production were performed by Genemed Synthesis (San Francisco, CA). Affinity purification of TAG1-specific antibodies was performed using the SulfoLink Kit (Pierce
2001	MarinO M	Mol. Endocrinol., Oct 2001; 15: 1829 - 1837	Binding of the Low Density Lipoprotein Receptor-Associated Protein (RAP) to Thyroglobulin (Tg): Putative Role of RAP in the Tg Secretory Pathway	Custom Peptides	corresponding to a sequence (RELPSRRLKRPLPVK, Arg2489-Lys2503) in the carboxyl-terminal portion of rat Tg (20), was synthesized by Genemed Biotechnologies (South San Francisco, CA). RAP was used in the form of a GST fusion protein. DH5a bacteria harboring the pGEX-RAP
2001	Martin MM	Mol. Endocrinol., Feb 2001; 15: 281 - 293	Human Angiotensin II Type 1 Receptor Isoforms Encoded by Messenger RNA Splice Variants Are Functionally Distinct	Custom Peptides	.....facilitate cross-linking of hemocyanin. Rabbits were immunized with this conjugated peptide using a standard immunization protocol (Genemed Biotechnologies, Inc., San Francisco, CA). Peptide-specific antibody (designated anti-long hAT1R) was obtained by purifying
2001	Maruyama Y	Invest. Ophthalmol. Vis. Sci., Aug 2001; 42: 1980 - 1985	Involvement of Sp1 Elements in the Promoter Activity of Genes Affected in Keratoconus	Custom Oligo/DNA	TTGGCGTTGCCGGAGCGGTT; and for a2-M, US, TCTGTAGCAAACATAGGATC, and DS, TCTGGTCCCAAACACTTCCC. All primers were synthesized by Genemed Biotechnologies, Inc. (South San Francisco, CA). The PCR products were analyzed on a 1.0% agarose gel and were cloned into
2001	Mollaaghababa R	PNAS, Mar 2001; 98: 3958 - 3963	Mutations in Drosophila heat shock cognate 4 are enhancers of Polycomb	Custom Peptides	.....resin for 4.5 h at 4C. Bound proteins were washed with 40 volumes of IP buffer and eluted with 100 Ml of 0.5 mgml HA dipeptide (GeneMed Synthesis) in IP buffer (30 min, room temperature). BRM was detected by Western blotting with affinity-purified rabbit anti-BRM
2001	Pal S	J. Biol. Chem., Jan 2001; 276: 2395 - 2403	Role of Protein Kinase C in Ras-mediated Transcriptional Activation of Vascular Permeability Factor/Vascular Endothelial Growth Factor Expression	Custom Peptides	.....received from Alex Toker as a generous gift (). All PKC oligonucleotides were synthesized as phosphorothioate derivatives from Genemed Synthesis (San Francisco, CA) (). Northern Blot Analysis RNA, isolated by the single-step acid-phenol extraction method
2001	Park B	Immunity, Volume 15, Issue 2, August 2001, Pages 213-224	The Truncated Cytoplasmic Tail of HLA-G Serves a Quality-Control Function in Post-ER Compartments	Custom Peptides	KIPAQFYIL; KGGAQFYIL

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2001	Phenix BN	Blood, Aug 2001; 98: 1078 - 1085	Antiapoptotic mechanism of HIV protease inhibitors: preventing mitochondrial transmembrane potential loss	Custom Peptides	anti-Fas antibody (CH11; 0.5 Mg/mL; Beckman Coulter, Mississauga, ON, Canada), or recombinant synthetic Vpr peptide. For Vpr (Genemed Systems, San Francisco, CA) stimulation, cells were incubated in isotonic buffer with 2.5 MM synthetic Vpr peptide (residues..
2001	Piechocki MP	J. Immunol., Sep 2001; 167: 3367 - 3374	Complementary Antitumor Immunity Induced by Plasmid DNA Encoding Secreted and Cytoplasmic Human ErbB-2	Custom Peptides	.....calf serum at 37C for 2 h. In some experiments, the target cells were simultaneously incubated with peptide E63 (TYLPTNASL; Genemed Synthesis, South San Francisco, CA) at 200 Mg/ml. The unincorporated 51Cr was removed by three washes with HBSS 2% cosmic
2001	Querido E	Genes & Dev., Dec 2001; 15: 3104 - 3117	Degradation of p53 by adenovirus E4orf6 and E1B55K proteins occurs via a novel mechanism involving a Cullin-containing complex	Custom Peptide Antibodies	.....from Maria Burnatowska-Hledin (Hope College, Holland, MI). A rabbit polyclonal antibody against human Cul5 was made for us by Genemed Synthesis Inc. using a synthetic peptide (EHKIRRDESDINTFIYMA) corresponding to the C terminus of human Cul5. Anti-Myc 9E10
2001	Secher T	J. Biol. Chem., Dec 2001; 276: 47052 - 47060	Molecular Cloning of a Functional Allatostatin Gut/Brain Receptor and an Allatostatin Preprohormone from the Silkworm Bombyx mori	Custom Peptides	.....Probes) was added to a final concentration of 5 Mm 3 h prior to the assay (). Peptides, which were 95 pure and synthesized by Genemed Synthesis Inc. (San Francisco, CA), were diluted in phosphate-buffered saline, warmed up to 37C, and 100 Ml was added to the
2001	Subklewe M	J. Exp. Med., Feb 2001; 193: 405 - 412	Dendritic Cells Cross-present Latency Gene Products from Epstein-Barr Virus–transformed B Cells and Expand Tumor-reactive CD8+ Killer T Cells	Custom Peptides	.....Peptide Loading of DCs. The synthetic peptides FLRGRAYGL (HLA-B8+/EBNA 3A) and CLGGLLTMV (HLA-A2/LMP 2) were purchased from Genemed Synthesis or Research Genetics, and added to APCs and targets at 1 MM in RPMI 1640 for 1 h at 37C. T Cell Assays. IFN
2001	Suen J-L	Immunology, Volume 103, Issue 3: 301-309. doi: 10.1046/j.1365-2567.2001.01255.x	Characterization of self-T-cell response and antigenic determinants of U1A protein with bone marrow-derived dendritic cells in NZB × NZW F1 mice	Custom Peptides	ovalbumin (OVA)323-339 and the histidine TAG control peptide (32 amino acids)
2001	Tian H	International Immunopharmacology, Volume 1, Issue 4, April 2001, Pages 763-768	HIV epitope-peptides in aluminum adjuvant induced high levels of epitope-specific antibodies	Custom Peptides	
2001	Vasile E	FASEB J, Feb 2001; 15: 458 - 466	Differential expression of thymosin ß-10 by early passage and senescent vascular endothelium is modulated by VPF/VEGF: evidence for senescent endothelial cells in vivo at sites of atherosclerosis	Custom Peptides	carboxyl-terminal thymosin b-10 specific peptide TIEQEKRSEIS was synthesized, coupled to keyhole limpet hemocyanine (KLH) (Genemed Synthesis Inc, San Francisco, Calif.) and injected into New Zealand White rabbits (Lampire Biological Laboratories, Pipersville
2001	Vieira-da-Motta O	Peptides, Volume 22, Issue 10, October 2001, Pages 1621-1627	RNAIII inhibiting peptide (RIP) inhibits agr-regulated toxin production	miscl	
2001	Wang LL	Neuroscience, Volume 103, Issue 1, 28 February 2001, Pages 143-151	Fos protein is required for the re-expression of angiotensin II type 1 receptors in the nucleus tractus solitarii after baroreceptor activation in the rat	Custom Peptides	PCR primers used for AT1R, AT2R, c-fos or GADPH in the PCRs
2001	Wei W-Z	Journal of Immunological Methods, Volume 258, Issues 1-2, 1 December 2001, Pages 141-150	Foreign antigenic peptides delivered to the tumor as targets of cytotoxic T cells	Custom Peptides	Beta-galactosidase Žb-gal. peptide p876 TPHPARIGL and PADRE aKŽX.VAAWTLKAAa Ža is D-alanine and X is cyclohexylalanine.

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2001	Wong GW	J. Biol. Chem., Dec 2001; 276: 49169 - 49182	Human Tryptase (PRSS22), a New Member of the Chromosome 16p13.3 Family of Human Serine Proteases Expressed in Airway Epithelial Cells	Custom Oligo/DNA	Tryptase cDNAs Tryptase -specific Antibody ,V5 peptide ,FLAG peptide ,Goat anti-mouse immunoglobulin G (Bio-Rad),
2001	Woodle MC	Journal of Controlled Release, Volume 74, Issues 1-3, 6 July 2001, Pages 309-311	Sterically stabilized polyplex: ligand-mediated activity	Custom Peptides	prototype peptide ligand - ACRGDMFGCA
2001	Xiao G-Q	Am J Physiol Cell Physiol, Nov 2001; 281: C1477 - C1486	Evidence for functional role of PKC isozyme in the regulation of cardiac Na+ channels	Custom Peptides	.....aC2-4 (SLNPQWNET; aPKC antagonist), bC2-4 (SLNPEWNET; bPKC antagonist), and V1-2 (EAVGLQPT; PKC antagonist) were synthesized at Genemed Synthesis (South San Francisco, CA). All peptides used were 90 pure. All chemicals were purchased from Sigma or otherwise indicated
2001	Yao C	Infect. Immun., Jun 2001; 69: 4065 - 4071	Trichinella spiralis-Infected Muscle Cells: Abundant RNA Polymerase II in Nuclear Speckle Domains Colocalizes with Nuclear Antigens	Custom Peptides	.....A peptide containing three contiguous PTSPSYS motifs was synthesized, purified by high-pressure liquid chromatography (Genemed Synthesis, Inc., San Francisco, Calif.; 96.7 purity), and used in antibody inhibition experiments. Two control peptides were
2001	Young LH	Am J Physiol Heart Circ Physiol, Jun 2001; 280: 2489 - 2495	Caveolin-1 peptide exerts cardioprotective effects in myocardial ischemia-reperfusion via nitric oxide mechanism	Custom Peptides	9 NaCl intravenously 1 h before the experiments. Caveolin-1 peptide (molecular weight = 2,518; amino acid residues 82-101, Genemed Synthesis) was prepared in 0.9 NaCl, pipetted into 0.5-ml aliquots, and stored at 20C. Aliquots were thawed once just before.....
2001	Yuan C	Journal of Molecular Biology, Volume 314, Issue 3, 30 November 2001, Pages 563-575	Solution structures of two FHA1-phosphothreonine peptide complexes provide insight into the structural basis of the ligand specificity of FHA1 from yeast Rad53	Custom Peptides	All the pT, pS, and pY peptides were purchased from Genemed Synthesis
2001	Zhang C	J. Biol. Chem., Oct 2001; 276: 40614 - 40620	Ternary Complexes and Cooperative Interplay between NCoA-62/Ski-interacting Protein and Steroid Receptor Coactivators in Vitamin D Receptor-mediated Transcription	Custom Peptides	mammalian expression vector (Stratagene). NR Box II (KHKILHRLLQDSS) and NR Box III (ENALLRYLLDKDD) peptides were purchased from Genemed Synthesis, Inc. (South San Francisco, CA). NCoA-62 Deletion Constructs Deletion mutants of NCoA-62 were generated by polymerase
2001	Zhang L	J. Biol. Chem., Mar 2001; 276: 10476 - 10484	Structural Properties and Mechanisms That Govern Association of C Kinase Adapter 1 with Protein Kinase C3 and the Cell Periphery	Custom Peptides	.....presence of the indicated concentrations of a 15-mer peptide (Genemed Inc.) whose sequence (SGGGIDNGAFHEHEI, designated CBSP...also performed with a randomly scrambled 15-mer peptide (Genemed Inc.) that has the same amino acids arranged in a distinct
2001	Zhao Y	Journal of Immunological Methods, Volume 254, Issues 1-2, 1 August 2001, Pages 137-145	Chemical engineering of cell penetrating antibodies	Custom Peptides	scrambled human C3d 16mer peptide
2002	Adams JC	Gene, Volume 297, Issues 1-2, 4 September 2002, Pages 69-78	Characterization of a Drosophila melanogaster orthologue of muskelin	Custom Peptides	KHL-conjugated synthetic peptide DMK-C, corresponding to residues MVQPERNLSDFVVM of the predicted Drosophila muskelin,
2002	Ahmad S	J. Clin. Microbiol., Jul 2002; 40: 2483 - 2489	Seminested PCR for Diagnosis of Candidemia: Comparison with Culture, Antigen Detection, and Biochemical Methods for Species Identification	Custom Oligo/DNA	5.8S rDNA , 28S rDNA

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2002	Baba O	J. Histochem. Cytochem., Sep 2002; 50: 1229 - 1236	Expression of Alternatively Spliced RNA Transcripts of Amelogenin Gene Exons 8 and 9 and Its End Products in the Rat Incisor	Custom Peptides	peptide (RHPLNMETTTEK) , 156-bp rat cDNA , DIG RNA Labeling Kit
2002	Balicki D	PNAS, May 2002; 99: 7467 - 7471	Structure and function correlation in histone H2A peptide-mediated gene transfer	Custom Peptides	Peptides 1-8, Peptides 11-14 ,
2002	Beltran-Pena E	Physiologia Plantarum, Volume 115, Issue 2: 291-297. doi: 10.1034/j.1399-3054.2002.1150216.x	Auxin stimulates S6 ribosomal protein phosphorylation in maize thereby affecting protein synthesis regulation	Custom Oligo/DNA	synthesized amino acid sequence
2002	Brdicka T	J. Exp. Med., Dec 2002; 196: 1617 - 1626	Non–T Cell Activation Linker (NTAL): A Transmembrane Adaptor Protein Involved in Immunoreceptor Signaling	Custom Peptides	Human T, B, NK cells, and monocytes , PE-conjugated mAbs , unlabeled CD56 mAb MEM-188 , IgM mAb C305, CD28 (IgM mAb 248, mouse mAb,
2002	Burgess HA	J. Biol. Chem., May 2002; 277: 17696 - 17705	Alternative Splice Variants of Doublecortin-like Kinase Are Differentially Expressed and Have Different Kinase Activities	Custom Peptides	anti-DCLK Arg domain antibodies, peptide (CLGRRHSLQRGWR), anti-DCLK phospho-Ser-382 antibodies, peptide (CLGRRHSLQRGWR , Anti-DCLK phospho-Ser-382 antibodies , anti-tubulin monoclonal antibody , peroxidase-conjugated affinity pure goat anti-mouse IgG (H + L), peroxidase-conjugated donkey anti-rabbit IgG at 1:10,000 , Anti-GST antibody (1:5000)
2002	Callahan MK	J. Biol. Chem., Sep 2002; 277: 33604 - 33609	Differential Acquisition of Antigenic Peptides by Hsp70 and Hsc70 under Oxidative Conditions	Custom Oligo/DNA	Hsp70 cDNA ,
2002	Cazzamali G	PNAS, Sep 2002; 99: 12073 - 12078	Molecular cloning and functional expression of the first insect FMRFamide receptor	Custom Peptides	Peptides (D. melanogaster FMRFamides 1–8; drostatins-A4, -B2, -C; D. melanogaster myosuppressin; D. melanogaster short neuropeptide F1; D. melanogaster tachykinin-3; and D. melanogaster adipokinetic hormone), (FMRFamide, D. melanogaster crustacean cardioactive peptide, cockroach perisulfakinin, cockroach leucokinin III, and cockroach leucopyrokinin).
2002	Cazzamali G	Biochemical and Biophysical Research Communications, Volume 298, Issue 1, 18 October 2002, Pages 31-36	Molecular cloning and functional expression of a Drosophila corazonin receptor	miscl	
2002	Chan JTH	Hypertension, Sep 2002; 40: 335 - 341	Augmented Upregulation by c-fos of Angiotensin Subtype 1 Receptor in Nucleus Tractus Solitarii of Spontaneously Hypertensive Rats	Custom Oligo/DNA	GAPDH mRNA , 100-bp DNA marker
2002	Chan SHH	Mol. Pharmacol., May 2002; 61: 1097 - 1104	Up-Regulation of Glutamate Receptors in Nucleus Tractus Solitarii Underlies Potentiation of Baroreceptor Reflex by Heat Shock Protein 70	Custom Peptides	.....Microinjection of Oligonucleotide or Test Agent into the NTS . An antisense (5-CACCTTGCCGTGCTGGAA-3) oligonucleotide (50 pmol; Genemed Biotechnologies, San Francisco, CA) that targets against the coding region (nt 61-78) of the mouse heat-inducible hsp70 gene
2002	Chatterjee A	J. Bacteriol., Aug 2002; 184: 4089 - 4095	RsmA and the Quorum-Sensing Signal, N-[3-Oxohexanoyl]- L-Homoserine Lactone, Control the Levels of rsmB RNA in Erwinia carotovora subsp. carotovora by Affecting Its Stability	Custom Peptide Antibodies	anti-RsmA antiserum

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2002	Chen C	PNAS, Dec 2002; 99: 17072 - 17077.	Reduced sodium channel density, altered voltage dependence of inactivation, and increased susceptibility to seizures in mice lacking sodium channel 2-subunits	Custom Peptides	β2-ec peptide
2002	Chen C-W	J. Biol. Chem., Aug 2002; 277: 33058 - 33067	The Double-stranded RNA-activated Kinase, PKR, Can Phosphorylate Hepatitis D Virus Small Delta Antigen at Functional Serine and Threonine Residues	Custom Peptides	rabbit antiserum against Ser177-phosphorylated S-HDAg peptide
2002	Chen K	Mol. Biol. Cell, Jun 2002; 13: 1953 - 1964	Pink-eyed Dilution Protein Controls the Processing of Tyrosinase	Custom Peptide Antibodies	Antibodies alpha Pep7 and alpha Pep1 polyclonal antibody alpha Pep13 , anti-V5 antibody
2002	Chen Y-C	Microbiology, Nov 2002; 148: 3743 - 3754	Differential secretion of Sap4–6 proteins in Candida albicans during hyphae formation	Custom Peptides	Sap4-, Sap5- and Sap6-specific antibodies
2002	Chowers MY	FEMS Microbiology Letters, Volume 217, Issue 2, 17 December 2002, Pages 231-236	A defined human gastrin sequence stimulates the growth of Helicobacter pylori	Custom Peptides	Gastrin fragments 15-17 and 16-17
2002	Chowers MY	FEMS Microbiology Letters, Volume 217, Issue 2: 231-236. doi: 10.1111/j.1574-6968.2002.tb11480.x	A defined human gastrin sequence stimulates the growth of Helicobacter pylori	Custom Peptides	gastrin fragments 15-17 and 16-17
2002	Cormet-Boyaka E	PNAS, Sep 2002; 99: 12477 - 12482	CFTR chloride channels are regulated by a SNAP-23/syntaxin 1A complex	Custom Peptides	SNAP-23 antibody ,
2002	Cyr JL	J. Neurosci., Apr 2002; 22: 2487 - 2495	Myosin-1c Interacts with Hair-Cell Receptors through Its Calmodulin-Binding IQ Domains	pab	anti-Myo1c antibody ,IQ1(residues 698-720; CRKHSIATFLQARWRGYHQRQKFL), IQ2 (residues 721-743; CHMKHSAVEIQSWWRGTIGRRKAA), and IQ3 (residues 744-766; CKRKWAVDVVRRFIKGFIYRNQPR) peptides
2002	DenBesten PK	Archives of Oral Biology, Volume 47, Issue 11, November 2002, Pages 763-770	Effects of fluoride on rat dental enamel matrix proteinases	Custom Peptides	peptide (SYGYEPMGGWLHHQ)
2002	Deng FM	J. Cell Biol., Nov 2002; 159: 685 - 694	Uroplakin IIIb, a urothelial differentiation marker, dimerizes with uroplakin Ib as an early step of urothelial plaque assembly	Custom Peptides	Three peptides, (1) VLDRHSSAADTVW, (2) TNSRGSPQAETRWSD, and (3) EPGLERFPSLSP , p35 cDNA
2002	DeTure MA	J. Biol. Chem., Sep 2002; 277: 34755 - 34759	In Vitro Assembly of Alzheimer-like Filaments. HOW A SMALL CLUSTER OF CHARGED RESIDUES IN Tau AND MAP2 CONTROLS FILAMENT MORPHOLOGY	Custom Oligo/DNA	T4 DNA ligase, Taq DNA polymerase, and chloramphenicol, DNase, and isopropyl--thiogalactopyranoside ,pETh-3b vector, pBR-322
2002	Dong X-N	Vaccine, Volume 21, Issues 3-4, 13 December 2002, Pages 167-173	Candidate peptide vaccine induced protection against classical swine fever virus	Custom Peptides	Five overlapped peptides sequence-covering amino acids
2002	Du C	J. Exp. Med., Dec 2002; 196: 1639 - 1644.	Chlamydia pneumoniae Infection of the Central Nervous System Worsens Experimental Allergic Encephalitis	Custom Peptides	(MOG) peptide (p35–55: MEVGWYRSPFSRVVHLYRNGK)
2002	Du C	J. Immunol., Mar 2002; 168: 3105 - 3112	Increased Severity of Experimental Allergic Encephalomyelitis in Iyn-/- Mice in the Absence of Elevated Proinflammatory Cytokine Response in the Central Nervous System	Custom Peptides	anti-murine IL-12 mAbs (C17.5 and C15.6), Murine rIL-12 , MOG peptide (p35-55: MEVGWYRSPFSRVVHLYRNGK)

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2002	Elkins CA	J. Bacteriol., Dec 2002; 184: 6490 - 6498	Substrate Specificity of the RND-Type Multidrug Efflux Pumps AcrB and AcrD of Escherichia coli Is Determined Predominately by Two Large Periplasmic Loops	Custom Oligo/DNA	Oligonucleotide primers , mutagenesis techniques , antimicrobial agents
2002	Embers ME	J. Virol., Oct 2002; 76: 9798 - 9805	Protective Immunity to Rabbit Oral and Cutaneous Papillomaviruses by Immunization with Short Peptides of L2, the Minor Capsid Protein	Custom Peptides	peptides: CRPV L2.1, CRPV L2.2, ROPV L2.1, and ROPV L2.2., HPV 16 L2 peptide
2002	Feng Y-H	PNAS, Sep 2002; 99: 12049 - 12054	G -independent constitutive association of G s with SHP-1 and angiotensin II receptor AT2 is essential in AT2-mediated ITIM-independent activation of SHP-1	Custom Peptides	monoclonal anti-c-Myc antibody , monoclonal anti-hemagglutinin (HA) antibody , monoclonal anti-1D4 antibody , oligonucleotides, G alpha protein peptides , Ang II and [Sar1]Ang II , Rat AT2 receptor gene and synthetic rat AT1 receptor gene
2002	Fong Y	Science, Jun 2002; 296: 2235 - 2238	Regulation of the Different Chromatin States of Autosomes and X Chromosomes in the Germ Line of C. elegans	Custom Peptides	Anti-MES-4 antibodies
2002	Gestl SA	Am. J. Pathol., Apr 2002; 160: 1467 - 1479	Expression of UGT2B7, a UDP-Glucuronosyltransferase Implicated in the Metabolism of 4-Hydroxyestrone and All-Trans Retinoic Acid, in Normal Human Breast Parenchyma and in Invasive and in Situ Breast Cancers	Custom Peptide Antibodies	UGT2B7 Antibody
2002	Gierynska M	J. Virol., Jul 2002; 76: 6568 - 6576	Induction of CD8 T-Cell-Specific Systemic and Mucosal Immunity against Herpes Simplex Virus with CpG-Peptide Complexes	Custom Peptides	peptide HSVgB (amino acids [aa] 498 to 505), peptide SSIEFARL, and chicken egg ovalbumin (aa 257 to 264), monoclonal antibodies (MAb)
2002	Gu Y	J. Biol. Chem., Jan 2002; 277: 2275 - 2286	Prion Peptide 106-126 Modulates the Aggregation of Cellular Prion Protein and Induces the Synthesis of Potentially Neurotoxic Transmembrane PrP	Custom Peptide Antibodies	Anti-PrP monoclonal antibody 3F4 (specific to PrP residues 109-112), Anti-PrP monoclonal antibody 8H4, neurofilament-specific (NF68) antibodies , Biotin-tagged PrP106-126 and biotin-tagged scrambled PrP106-126
2002	Hallahan D	Cancer Cell, Volume 3, Issue 1, January 2003, Pages 63-74	Integrin-mediated targeting of drug delivery to irradiated tumor blood vessels	miscl	FITC-labeled peptide (Genemed Synthesis
2002	Hara H	J. Immunol., Mar 2002; 168: 2288 - 2295	The Apoptotic Protease-Activating Factor 1-Mediated Pathway of Apoptosis Is Dispensable for Negative Selection of Thymocytes	Custom Peptides	H-Y Ag peptide (sequence Lys-Cys-Ser-Arg-Asn-Arg-Gln-Tyt-Leu , FITC-conjugated T3.70 mAb, PE-conjugated anti-CD8 mAb, allophycocyanin-conjugated anti-CD8 mAb
2002	Harada JN	J. Virol., Sep 2002; 76: 9194 - 9206	Analysis of the Adenovirus E1B-55K-Anchored Proteome Reveals Its Link to Ubiquitination Machinery	Custom Peptides	SIII p15 monoclonal antibody , Rbx1/ROC1/Hrt1 rabbit polyclonal antibody , Cullin-5 antibodies , Elongin B antibody , monoclonal NuMA and anti-E-MAP-115/ensconsin (guinea pig) antibodies , M45 mouse monoclonal antibody , E32 rabbit antipeptide antiserum
2002	Horowitz A	J. Cell Biol., May 2002; 157: 715 - 725	Fibroblast growth factor–specific modulation of cellular response by syndecan-4	Custom Oligo/DNA	Syndecan-4 cDNA ,Synthetic syndecan-4 cytoplasmic tail peptides
2002	Hu J	J. Virol., Jul 2002; 76: 6453 - 6459.	Intracutaneous DNA Vaccination with the E8 Gene of Cottontail Rabbit Papillomavirus Induces Protective Immunity against Virus Challenge in Rabbits	p	Peptide 1 (MGPAETALYC; aa 1 to 10) and peptide 2 (RKYLAGSCVVQFAEEDC; aa 35 to 50)
2002	Huang J	Immunology Letters, Volume 84, Issue 3, 3 December 2002, Pages 205-209	A predefined epitope-specific monoclonal antibody recognizes ELDEWA-epitope just presenting on gp41 of HIV-1 O clade	Custom Peptides	ELDEWA epitope-peptide (C-G/ELDEWA/G/ ELDEWA); the C-dormain peptide P1 (EnvIIIB, aa. 669_/674. C-SQNQQEKNEQELL/ELDKWA/

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					SLWNWFNITC), three peptides bearing neutralization- resistant mutated epitope sequences, P2 (CQEKNVKALL/ ELDEWA/SLWN, according to the sequence of viral isolate MVP5180neutralization-resistant to mAb 2F5), P3 (C- KNEQELL/ELEKWA/SLWN), and P4 (C- KNELELL/ELNKWA/SLWN,acording to the sequence of viral isolate B.TH.TH936705 neutralization- resistant to mAb 2F5), and the control peptide P5 (EnvIIIB, aa. 635-666. WMEWDREINNYTSLIHSLIEESQNQQEKNEQE)
2002	Hulme JT	J. Biol. Chem., Feb 2002; 277: 4079 - 4087	A Novel Leucine Zipper Targets AKAP15 and Cyclic AMP-dependent Protein Kinase to the C Terminus of the Skeletal Muscle Ca2+ Channel and Modulates Its Function	pab	Monoclonal anti-Myc antibody , AKAP15LZ(38-54) and AKAP15LZM(38-54) peptides, AP2 peptide
2002	Iversen A	Biochemical and Biophysical Research Communications, Volume 299, Issue 5, 20 December 2002, Pages 924-931	Molecular identification of the first insect ecdysis triggering hormone receptors	miscl	
2002	Iversen A	Biochemical and Biophysical Research Communications, Volume 299, Issue 4, 13 December 2002, Pages 628-633	Molecular cloning and functional expression of a Drosophila receptor for the neuropeptides capa-1 and -2	miscl	
2002	Jeon S	J. Biol. Chem., May 2002; 277: 16576 - 16584	RhoA and Rho Kinase-dependent Phosphorylation of Moesin at Thr-558 in Hippocampal Neuronal Cells by Glutamate	Custom Peptides	moesin polyclonal antibody , antibody TM2, phosphopeptide (KYKpTLRQCCCCC, where pT is phosphothreonine)
2002	Jiménez A	FEBS Letters, Volume 530, Issues 1-3, 23 October 2002, Pages 79-84	Human spermatid-specific thioredoxin-1 (Sptrx-1) is a two-domain protein with oxidizing activity	Custom Peptides	NRCSQGSCWN
2002	Kawa DE	J. Immunol., May 2002; 168: 5184 - 5191	Antigenic Topology of Chlamydial PorB Protein and Identification of Targets for Immune Neutralization of Infectivity	Custom Peptides	PorB peptides (designated B1-1 to B5-5),
2002	Kedishvili NY	J. Biol. Chem., Aug 2002; 277: 28909 - 28915	Evidence That the Human Gene for Prostate Short-chain Dehydrogenase/Reductase (PSDR1) Encodes a Novel Retinal Reductase (RalR1)	Custom Peptide Antibodies	RalR1 Monoclonal Antibody
2002	Kelleher SL	J. Nutr., Nov 2002; 132: 3280 - 3285	Zinc Transporters in the Rat Mammary Gland Respond to Marginal Zinc and Vitamin A Intakes during Lactation	Custom Peptides	Peptides ZnT-1, ZnT-2 and ZnT-4.
2002	Kohm AP	J. Immunol., Nov 2002; 169: 4712 - 4716	Cutting Edge: CD4+CD25+ Regulatory T Cells Suppress Antigen-Specific Autoreactive Immune Responses and Central Nervous System Inflammation During Active Experimental Autoimmune Encephalomyelitis	Custom Peptides	MOG35–55-specific T cells

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2002	Lee KJ	Peptides, Volume 23, Issue 5, May 2002, Pages 853-862	Antipeptide antibodies for detecting crab (Callinectes sapidus) molt-inhibiting hormone	Custom Peptides	acetylated on the N-terminus and coupled via the C-terminus to keyhole limpet hemocyanin (KLH) with glutaraldehyde
2002	Lee AW	Vaccine, Volume 20, Supplement 4, 19 December 2002, Pages A8-A22	A clinical grade cocktail of cytokines and PGE2 results in uniform maturation of human monocyte-derived dendritic cells: implications for immunotherapy	Custom Peptides	HLA A2.1-positive DCs were pulsed with 1–100nM HLA A2.1-restricted influenza matrix peptide;
2002	Li H	Immunology Letters, Volume 84, Issue 2, 1 November 2002, Pages 153-157	Recombinant multi-epitope vaccine induce predefined epitope-specific antibodies against HIV-1	Custom Peptides	Three peptides (P1, P2 and P3) containing neutralizing epitopes on HIV-1IIIB gp160 and control peptide (CP); P1: [C-(GPGRAFY)2, Env aa317-323]; P2: [CTSLIHSLIEESQNQQEKNEQELLELDK WA, Env aa646-674]; P3: [C-TRPNNTRKSIRIQRGPGRAFYTIGKI, Env aa301-328]; CP: [(KGGG)7-K].
2002	Li N	Am J Physiol Renal Physiol, Jun 2002; 282: 1111 - 1119	Production of superoxide through NADH oxidase in thick ascending limb of Henle's loop in rat kidney	Custom Oligo/DNA	.....plasmid DNA
2002	Liu H-Y	J. Biol. Chem., Jul 2002; 277: 26046 - 26056	ShcB and ShcC Activation by the Trk Family of Receptor Tyrosine Kinases	Custom Peptide Antibodies	anti-hemagglutinin (HA) antibody, Anti-c-Myc antibodies , Monoclonal anti-Trk antibodies (MCTrks), Rabbit antiserum CH1 domain -ShcB (amino acids 310-477) (namely anti-ShcB GP),rabbit antibodies to Grb2, N-Shc (ShcC), mouse monoclonal antibody to Src (Mb327) , horseradish peroxidase-coupled anti-phosphotyrosine antibody (RC20)
2002	Liu Q-R	J. Biol. Chem., Apr 2002; 277: 13312 - 13320	KEPI, a PKC-dependent Protein Phosphatase 1 Inhibitor Regulated by Morphine	p	15-amino acid KEPI peptide
2002	Martínez-Senac MDM	Biophys. J., Jan 2002; 82: 233 - 243	The Structure of the C-Terminal Domain of the Pro-Apoptotic Protein Bak and Its Interaction with Model Membranes	p	synthetic peptide Bak (+3HN-188ILNVLVVLGVVLLGQFVVRRFFKS211-COO) , Deuterium oxide (D2O), 1,6-diphenyl-1,3,5-hexatriene (DPH), and 2,2,2-trifluoroethanol (TFE)
2002	Meric B	Talanta, Volume 56, Issue 5, 1 April 2002, Pages 837-846	Electrochemical DNA biosensor for the detection of TT and Hepatitis B virus from PCR amplified real samples by using methylene blue	Custom Peptides	24-mer synthetic oligonucleotides for the TTV (TTV Probe) and the 21-mer synthetic oligonucleotides of HBV (HBV Probe)
2002	Misra GP	Journal of Controlled Release, Volume 81, Issues 1-2, 17 May 2002, Pages 1-6	New mode of drug delivery: long term autonomous rhythmic hormone release across a hydrogel membrane	Custom Peptides	tetramethylrhodamine - GnRH
2002	Morgan C	Peptides, Volume 23, Issue 7, July 2002, Pages 1229-1240	Laminin affects polymerization, depolymerization and neurotoxicity of Aβ peptide	Custom Peptides	YIGSR, IKVAV, YFQRYLI
2002	Muilenburg DJ	Enzymology, Volume 1596, Issue 2, 29 April 2002, Pages 346-356	Lys40 but not Arg143 influences selectivity of angiotensin conversion by human α-chymase Biochimica et Biophysica Acta (BBA) - Protein Structure and Molecular	Custom Peptides	5P-ATG CTG CTT CTT CCT CTC CCC CTG CT and reverse primer 5P-TTA ATT TGC CTG CAG GAT CTG GTT GAT CCA GGG.
2002	Murakami M	J. Biol. Chem., May 2002; 277: 20367 - 20371	Protein Kinase C (PKC) Regulates PKC Activity in a Syndecan-4-dependent Manner	Custom Peptides	PKC beta1 optimal substrate peptide (FKLKRKGSFKKFA), c-Myc antibody , PKCalpha antibodies,

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2002	MUSTAFA AS	Clinical & Experimental Immunology, Volume 130, Issue 1: 37-42. doi: 10.1046/j.1365-2249.2002.01937.x	Immunogenicity of Mycobacterium tuberculosis RD1 region gene products in infected cattle	miscl	The peptides, purchased from Genemed Synthesis Inc (San Francisco, USA), were synthesized using Fmoc chemistry; and their sequence fidelity and purity was confirmed by mass spectrometry and analytical HPLC, respectively.
2002	Nah J-W	Journal of Controlled Release, Volume 78, Issues 1-3, 17 January 2002, Pages 273-284	Artery wall binding peptide-poly(ethylene glycol)-grafted-poly(-lysine)-based gene delivery to artery wall cells	Custom Peptides	Artery Plasmid encoding firefly luciferase driven by the wall binding peptide (AWBP) (Sequence 'N'- CMV promoter was constructed by insertion of CGRALVDTLKFVTQAEGAK-'C'
2002	Nymann-Andersen J	Journal of Neurochemistry, Volume 80, Issue 5: 815-823. doi: 10.1046/j.0022-3042.2002.00762.x	Subunit specificity and interaction domain between GABAA receptor-associated protein (GABARAP) and GABAA receptors	Custom Peptides	peptide inhibition assay, 450 um peptide, CFEDCRTGAWRHGRIHIRIAKMD
2002	Pastorino JG	J. Biol. Chem., Feb 2002; 277: 7610 - 7618	Mitochondrial Binding of Hexokinase II Inhibits Bax-induced Cytochrome c Release and Apoptosis	Custom Peptides	.....necrosis. Synthesis of Peptides Peptides corresponding to the N-terminal 15 amino acids of hexokinase II were synthesized by Genemed Synthesis (San Francisco, CA) utilizing Fmoc (N-(9-fluorenyl)methoxycarbonyl) chemistry (MIASHLLAYFFTELN-amide, hexokinase
2002	Peherstorfer E	Am J Physiol Renal Physiol, Jul 2002; 283: 190 - 196	Effects of microinjection of synthetic Bcl-2 domain peptides on apoptosis of renal tubular epithelial cells	Custom Peptides	Synthetic peptides. Bcl2_syn, Bax_syn, and Bak_syn
2002	Prokhnevsky AI	J. Virol., Nov 2002; 76: 11003 - 11011	Interaction between Long-Distance Transport Factor and Hsp70-Related Movement Protein of Beet Yellows Virus	Custom Peptides	p20 (CELDKSGGELEILTFSKNEVFL, BYV cDNA
2002	Ravi R	Cancer Res., Mar 2002; 62: 1583 - 1587	Requirement of BAX for TRAIL/Apo2L-induced Apoptosis of Colorectal Cancers: Synergism with Sulindac-mediated Inhibition of Bcl-xL	Custom Peptides	.....Met; N, Asn; Q, Gln; R, Arg; S, Ser; T, Thr; V, Val; and W, Trp. Both peptides were supplied as a 20-mm solution in DMSO (Genemed Synthesis Inc., South San Francisco, CA). Results for DMSO controls were not different from controls using no peptide. Alternatively
2002	Roberts WK	Blood, May 2002; 99: 3748 - 3755	Vaccination with CD20 peptides induces a biologically active, specific immune response in mice	Custom Peptides	CD20 and P190 control peptides
2002	Sauer FG	Cell, Volume 111, Issue 4, 15 November 2002, Pages 543-551	Chaperone Priming of Pilus Subunits Facilitates a Topological Transition that Drives Fiber Formation	Custom Peptides	PapENtdKNte
2002	Sherwood AL	Glycobiology, Oct 2002; 12: 599 - 606	A highly conserved His-His motif present in 1 3/4fucosyltransferases is required for optimal activity and functions in acceptor binding	Custom Oligo/DNA	DNA sequencing kit , COS-7 cells , rabbit IgG-agarose beads, and DEAE-Dextran ,Plasmid pCR2.1 TOPO , pPROTA and pPROTA-FucT-IV (long form, amino acids 58–405) plasmids , GDP-[14C]fucose (283 mCi/mmol) and [35S]dATP,
2002	Shih S-C	Am. J. Pathol., Jul 2002; 161: 35 - 41	Molecular Profiling of Angiogenesis Markers	Custom Peptides	sequence of choice was checked by National Center for Biotechnology Information (NCBI) Blast module and was synthesized by Genemed Synthesis (South San Francisco, CA). To assure the specificity of each primer set, amplicons generated from PCR reactions were
2002	Shirvan A	J. Biol. Chem., Dec 2002; 277: 49799 - 49807	Anti-semaphorin 3A Antibodies Rescue Retinal Ganglion Cells from Cell Death following Optic Nerve Axotomy	Custom Peptides	Polyclonal anti-Sema3A antibodies ,Sema3A-derived peptides
2002	Sijwali PS	J. Biol. Chem., Apr 2002; 277: 14910 - 14915	Folding of the Plasmodium falciparum Cysteine Protease Falcipain-2 Is Mediated by a Chaperone-like Peptide and Not the Prodomain	Custom Oligo/DNA	Vent DNA polymerase,Benzyloxycarbonyl-Phe-Arg-7-amino-4-methyl coumarin (Z-Phe-Arg-AMC)1, Z-Leu-Arg-AMC , Z-Phe-Arg-

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					fluoromethyl ketone (Z-Phe-Arg-FMK) , Oligonucleotides
2002	Staubli F	PNAS, Mar 2002; 99: 3446 - 3451	Molecular identification of the insect adipokinetic hormone receptors	Custom Peptides	D. melanogaster AKH (Drm-AKH); Manduca sexta AKH (Mas-AKH); drostatin-A1) ,Heliothis zea hypertrehalosaemic hormone (Hez-HrTH); Schistocerca gregaria AKH-II (Scg-AKH-II); corazonin
2002	Stemmann O	Cell, Volume 107, Issue 6, 14 December 2001, Pages 715-726	Dual Inhibition of Sister Chromatid Separation at Metaphase	Custom Peptides	N-terminal peptide (RSFKRVNFGTLLSSQ) and a C-terminal peptide (EPYSDIIATPGPRFH)
2002	Stultz CM	J. Biol. Chem., Nov 2002; 277: 47653 - 47661	Phosphorylation-induced Conformational Changes in a Mitogen-activated Protein Kinase Substrate. IMPLICATIONS FOR TYROSINE HYDROXYLASE ACTIVATION	Custom Peptides	Op and pW peptides ,
2002	Tompkins SM	J. Immunol., Apr 2002; 168: 4173 - 4183	De Novo Central Nervous System Processing of Myelin Antigen Is Required for the Initiation of Experimental Autoimmune Encephalomyelitis	Custom Peptide Antibodies	anti-class I and anti-class II Abs (M1/42 and M5/114), MOG35–55 , PLP178–191
2002	Uettwiller-Geiger D	Clin. Chem., Jun 2002; 48: 869 - 876	Multicenter Evaluation of an Automated Assay for Troponin I	Custom Peptides	synthetic peptides cTnI
2002	Vieira da Silva J	Vaccine, Volume 20, Issue 16, 15 May 2002, Pages 2091-2101	Phytosecretion of enteropathogenic Escherichia coli pilin subunit A in transgenic tobacco and its suitability for early life vaccinology	miscl	
2002	Xu G	J. Biol. Chem., Dec 2002; 277: 49989 - 49997	PTP1B Modulates the Association of -Catenin with N-cadherin through Binding to an Adjacent and Partially Overlapping Target Site	Custom Peptide Antibodies	anti-N-cadherin antibody NCD-2, Anti-phosphotyrosine (PY20) monoclonal antibody , Anti-PTP1B antibodies Anti-beta-catenin antibodies , HRP1-conjugated secondary antibodies
2002	Xu G	Clin. Cancer Res., Aug 2002; 8: 2605 - 2611	Human Carboxylesterase 2 Is Commonly Expressed in Tumor Tissue and Is Correlated with Activation of Irinotecan	Custom Peptide Antibodies	CES2, peroxidase-conjugated donkey antirabbit IgG ,reagents (Dewax, peroxide block, power block, link, horseradish peroxidase, 3,3'-diaminobenzidine tetrahydrochloride, hematoxylin, and buffers)
2002	Yau HCM	Thin Solid Films, Volume 413, Issues 1-2, 24 June 2002, Pages 218-223	Integrity and redox properties of homogeneous and heterogeneous DNA films on gold surface probed by cyclic voltammetry	miscl	
2002	Zeng H	J. Biol. Chem., Nov 2002; 277: 46791 - 46798	KDR Stimulates Endothelial Cell Migration through Heterotrimeric G Protein Gq/11-mediated Activation of a Small GTPase RhoA	Custom Oligo/DNA	Mouse monoclonal antibodies ,rabbit polyclonal antibody, Anti-phosphotyrosine antibody , Anti-phospho-p42/p44 MAPK antibodies ,
2002	Zhang X	J. Virol., Sep 2002; 76: 8737 - 8746	Identification and Characterization of a Regulatory Domain on the Carboxyl Terminus of the Measles Virus Nucleocapsid Protein	Custom Peptides	MBP peptide , p53 peptide
2003	Abdel-Ghany M	J. Biol. Chem., Dec 2003; 278: 49406 - 49416	The Interacting Binding Domains of the 4 Integrin and Calcium-activated Chloride Channels (CLCAs) in Metastasis	Custom Peptides	mouse -human monoclonal antibody (mAb) 3E1 ,rabbit -human polyclonal antibody (pAb) H-101 ,rat -mouse mAb346–11A,synthetic peptides of 4(184–203) and 1(207–213).
2003	Adams JC	Journal of Molecular Biology, Volume 328, Issue 2, 25 April 2003, Pages 479-494	Characterisation of Drosophila Thrombospondin Defines an Early Origin of Pentameric Thrombospondins	Custom Peptides	KHL-conjugated synthetic peptide CVFDSTLKGG RLGVF, corresponding to residues 1035–1048 of the predicted D. melanogaster thrombospondin protein

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
					sequence,
2003	Al-Attiyah R	Infect. Immun., Apr 2003; 71: 1953 - 1960.	Synthetic Peptides Identify Promiscuous Human Th1 Cell Epitopes of the Secreted Mycobacterial Antigen MPB70	Custom Peptides	Peptides MPB70
2003	Beisner DR	J. Immunol., Jul 2003; 171: 247 - 256	The Requirements for Fas-Associated Death Domain Signaling in Mature T Cell Activation and Survival	Custom Peptides	OVA peptide
2003	Bennett RJ	Mol. Cell. Biol., Nov 2003; 23: 8189 - 8201	Identification and Characterization of a Candida albicans Mating Pheromone	Custom Peptides	Cy3-cDNA and Cy5-cDNA
2003	Berson JF	J. Cell Biol., May 2003; 161: 521 - 533	Proprotein convertase cleavage liberates a fibrillogenic fragment of a resident glycoprotein to initiate melanosome biogenesis	Custom Peptide Antibodies	affinity-purified rabbit antibody , Antibodies mAB, Rabbit antiserum Pmel-N, synthetic peptide (CTKVPRNQDWLGVSRQLR-CO2H
2003	Bhagwandin VJ	J. Biol. Chem., Jan 2003; 278: 3363 - 3371	Structure and Activity of Human Pancreasin, a Novel Tryptic Serine Peptidase Expressed Primarily by the Pancreas	Custom Peptides	enzyme-linked immunoadsorbent assay. Peptide synthesis, conjugation, immunizations, bleeding, and titering assays were conducted by GeneMed Synthesis (South San Francisco, CA). The IgG fraction of rabbit immunoglobulins was purified from delipidated antisera on a.....
2003	Brehm MA	J. Immunol., Apr 2003; 170: 4077 - 4086	Direct Visualization of Cross-Reactive Effector and Memory Allo-Specific CD8 T Cells Generated in Response to Viral Infections	Custom Peptides	Synthetic peptides LCMV-NP396-404 (FQPQNGQFI), LCMV-GP33-41 (KAVYNFATC), LCMV-GP276-286 (SGVENPGGYCL), and LCMV-NP205-212 (YTVKYPNL).
2003	Buscaglia CA	Mol. Biol. Cell, Dec 2003; 14: 4947 - 4957	Sites of Interaction between Aldolase and Thrombospondin-related Anonymous Protein in Plasmodium	Custom Peptides	Peptides P. falciparum TRAP
2003	Cavanaugh VJ	J. Virol., Feb 2003; 77: 1703 - 1717	Vigorous Innate and Virus-Specific Cytotoxic T-Lymphocyte Responses to Murine Cytomegalovirus in the Submaxillary Salivary Gland	Custom Peptides	nonapeptide H2N-168YPHFMPTNL176-COOH
2003	Ceraul SM	Insect Biochemistry and Molecular Biology, Volume 33, Issue 11, November 2003, Pages 1099-1103	An arthropod defensin expressed by the hemocytes of the American dog tick, Dermacentor variabilis (Acari: Ixodidae)	Custom Peptides	synthetic defensin peptide conjugated to KLH
2003	Chang H-C	J. Biol. Chem., Aug 2003; 278: 32471 - 32477	STAT4 Requires the N-terminal Domain for Efficient Phosphorylation	Custom Peptides	phosphopeptide DLPTHDGpY800LPSNIDD and the identical non-phosphorylated peptide
2003	Chang N-S	J. Biol. Chem., Mar 2003; 278: 9195 - 9202	JNK1 Physically Interacts with WW Domain-containing Oxidoreductase (WOX1) and Inhibits WOX1-mediated Apoptosis	Custom Peptides	synthetic peptide NH2-CKDGWVpYYANHTEEKT-COOH, with tyrosine 33 phosphorylation (pY
2003	Chen W-F	Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, Volume 1638, Issue 2, 14 July 2003, Pages 187-196	Inhibitory actions of genistein in human breast cancer (MCF-7) cells	miscl	
2003	Chen Y-M	Biol Reprod, Aug 2003; 69: 656 - 672	Fer Kinase/FerT and Adherens Junction Dynamics in the Testis: An In Vitro and In Vivo Study	Custom Peptides	21-amino acid peptide (NH2-SAPQNCPEEIFTIMMKCWDYK-COOH) ,Primary antibodies against N-cadherin (H-63; Cat: SC-7939, Lot: C081), E-cadherin (H-108; Cat: SC-7870, Lot: K080), -catenin (Cat: SC-7900, Lot:

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					J139), p120ctn (S-19; Cat: SC-1101, Lot: A079), actin (H-196; Cat: SC-7210, Lot: C222), nectin-3 (Cat: SC-14806, Lot: K261), integrin ß1 (Cat: SC-8978, Lot: E221), cSrc (Cat: SC-8056, Lot: C051), and vimentin (V9; Cat: SC-6260, Lot: B252); and bovine antirabbit or goat antimouse IgG-horseradish peroxidase ,Antibodies against Rab 8 (Cat: R66320-152, Lot: 2) and afadin (Cat: 610732, Lot: 1)
2003	Cousin J-H	Carcinogenesis, Aug 2003; 24: 1301 - 1315	Roles of keratinocyte inflammation in oral cancer: regulating the prostaglandin E2, interleukin-6 and TNF- production of oral epithelial cells by areca nut extract and arecoline	Custom Peptides	Mouse anti-human COX-2 monoclonal antibody,Protein assay kits ,Phycoerythrin-conjugated anti-human CD4+ and CD8+ and FITC- conjugated anti-human CD69+ ab, IgG (isotype control) and flow cytometric reagents ,ab for 1-FITC/1-PE ,ELISA kits for TNF- (ultrasensitive) and IL-6 measurement, recombinant IL-6 and IL-6 and TNF- neutralizing antibody ,Total RNA isolation kits ,PCR primer sets for Cox-2, ß-actin (17) and IL-6
2003	Cousin MA	J. Biol. Chem., Aug 2003; 278: 29065 - 29071	Synapsin I-associated Phosphatidylinositol 3-Kinase Mediates Synaptic Vesicle Delivery to the Readily Releasable Pool	Custom Peptides	p85 antibody,synapsin I antibody ,polyclonal synapsin antibody , Synthetic peptides Syn I539–553 GAPPAARPPASPSPQ, Syn I566–577 SISGPAPPKVSG, and Syn I585–600 RQGPPQKPPGPAGPIR ,SynI585–600 peptide (RRMKWKK-RQGPPQKPPGPAGPIR) or -adaptin AP-2 2624_644 (RRMKWKK-QGDLLGDLLNLDLGPPVNVPQ)
2003	Cousin SJ	Appl. Envir. Microbiol., Aug 2003; 69: 4875 - 4883	High-Level Production of Porphyrins in Metabolically Engineered Escherichia coli: Systematic Extension of a Pathway Assembled from Overexpressed Genes Involved in Heme Biosynthesis	Custom Oligo/DNA	Restriction enzymes, T4 DNA ligase, and Vent DNA polymerase , Klenow polymerase , Taq DNA polymerase in buffer A, Oligonucleotide primers ,
2003	Dallabrida SM	Biochemical and Biophysical Research Communications, Volume 311, Issue 3, 21 November 2003, Pages 563-571	Adipose tissue growth and regression are regulated by angiopoietin-1	Custom Peptides	GAPDH primers
2003	Díaz G	Int. Immunol., May 2003; 15: 565 - 576	Functional analysis of HLA-DP polymorphism: a crucial role for DPß residues 9, 11, 35, 55, 56, 69 and 84–87 in T cell allorecognition and peptide binding	Custom Peptides	AAII(12-27) peptide (LQSLVSQFYQTVQDYA)
2003	DiDonato RJ	The Plant Journal, Volume 37, Issue 3: 340-353. doi: 10.1046/j.1365-313X.2003.01964.x	Arabidopsis ALF4 encodes a nuclear-localized protein required for lateral root formation	Custom Peptides	
2003	Diegel ML	Scandinavian Journal of Immunology, Volume 58, Issue 1: 1-8. doi: 10.1046/j.1365-3083.2003.01252.x	Major Histocompatibility Complex Class I-Restricted Presentation of Protein Antigens without Prior Intracellular Processing	Custom Peptides	Immunogenic peptides OVA257-264 (SIINFEKL) and OVA323-339 (ISQAVHAAHAEINEAGR)
2003	Douglas JL	J. Virol., May 2003; 77: 5054 - 5064	Inhibition of Respiratory Syncytial Virus Fusion by the Small Molecule VP-14637 via Specific Interactions with F Protein	Custom Peptides	HR2-derived peptide T-118 (33) , Ribavirin
2003	Egerod K	PNAS, Aug 2003; 100: 9808 - 9813	Molecular cloning and functional expression of the first two specific insect myosuppressin receptors	Custom Peptides	TRIzol Reagent ,DNA-free kit ,SMART RACPeptides,E cDNA Amplification Kit Northern blots ,LASERGENE software package (DNASTAR). ,TMHMM v.2.0 prediction server ,PRISM v.3 software

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2003	Elovitz MA	Am. J. Pathol., Nov 2003; 163: 2103 - 2111	A New Model for Inflammation-Induced Preterm Birth: The Role of Platelet-Activating Factor and Toll-Like Receptor-4	Custom Peptide Antibodies	PAFR antibody
2003	Ferree S	Biophys. J., Oct 2003; 85: 2539 - 2546	Electrokinetic Stretching of Tethered DNA	Custom Oligo/DNA	Lambda bacteriophage DNA ,T4 DNA ligase
2003	Fischer D	J. Virol., Jul 2003; 77: 7486 - 7491	Intranasal Immunization of Guinea Pigs with an Immunodominant Foot-and-Mouth Disease Virus Peptide Conjugate Induces Mucosal and Humoral Antibodies and Protection against Challenge	Custom Peptides	14-mer peptide (amino acid sequence C-G-Y-G-P-P-K-K-K-A-K-V-G-G
2003	Gaynutdinov TI	drug delivery Protein Eng., Oct 2003; 16: 771 - 775	Chimeric ribonuclease as a source of human adapter protein for targeted	Custom Peptides	Hu-peptide (CA-KESRAKKFQRQHMDS
2003	Gong S	J. Bacteriol., Aug 2003; 185: 4402 - 4409	YjdE (AdiC) Is the Arginine:Agmatine Antiporter Essential for Arginine-Dependent Acid Resistance in Escherichia coli	Custom Peptides	peptide CLHKNPYPLDAPISKD ,AdiA antibody ,Western blot ,Northern blot
2003	Harms GS	Biophys. J., Sep 2003; 85: 1826 - 1838	Probing Conformational Changes of Gramicidin Ion Channels by Single-Molecule Patch-Clamp Fluorescence Microscopy	Custom Peptides	Dye labeling
2003	Hastings RH	Am. J. Respir. Cell Mol. Biol., Dec 2003; 29: 733 - 742	Proapoptotic Effects of Parathyroid Hormone-Related Protein in Type II Pneumocytes	Custom Peptides	PTHrP peptides
2003	Herring D	J. Biol. Chem., Jun 2003; 278: 24046 - 24052	Constitutive GABAA Receptor Endocytosis Is Dynamin-mediated and Dependent on a Dileucine AP2 Adaptin-binding Motif within the 2 Subunit of the Receptor	Custom Peptides	Human GABAA receptor cDNAs , dynamin K44A cDNAs ,Alexa 488-conjugated secondary antibodies , mouse monoclonal 9E10 anti-myc antibody , mouse polyclonal anti-myc 9E10 ascites fluid
2003	Hou Y	J. Immunol., Apr 2003; 170: 4373 - 4379	Development of Peptide Mimotopes of Lipooligosaccharide from Nontypeable Haemophilus influenzae as Vaccine Candidates	Custom Peptides	anti-LOS Ab, peptide-KLH conjugates
2003	Hulme JT	PNAS, Oct 2003; 100: 13093 - 13098	-Adrenergic regulation requires direct anchoring of PKA to cardiac CaV1.2 channels via a leucine zipper interaction with A kinase-anchoring protein 15	Custom Peptides	HT31 peptide,AKAP15LZ(38-54) (acetyl-ENAVLKAVQQYLEETQN-amide) and AKAP15LZM(38-54) peptides ,polyclonal anti-CNC1 and anti-CH1 antibodies ,Anti-RII antibody ,Anti-AKAP15 antibodies
2003	Ikonen M	PNAS, Oct 2003; 100: 13042 - 13047	Interaction between the Alzheimer's survival peptide humanin and insulin-like growth factor-binding protein 3 regulates cell survival and apoptosis	Custom Peptides	A (1–43) peptide ,HN peptides [HN, S14G-HN (HNG), C8A-HN (HNA), F6A-HN, K21A-HN, and F6/K21A-HN],Recombinant human IGFBP-3 and IGFBP-3 peptides ,anti-human IGFBP-3 antibody ,Rabbit polyclonal anti-HN antibody
2003	Inoue A	J. Biol. Chem., Feb 2003; 278: 5478 - 5487	Characterization of the Motor Activity of Mammalian Myosin VIIA	Custom Peptides	Anti-myosin VIIA Antibodies
2003	Jaseja M	Journal of Peptide Research, Volume 61, Issue 1: 24-39. doi: 10.1034/j.1399-3011.2003.21040.	Conformational studies of antimetastatic laminin-1 derived peptides in different solvent systems, using solution NMR spectroscopy x	Custom Peptides	
2003	Jiang L	Chemical Physics Letters, Volume 380, Issues 1-2, 13 October 2003, Pages 29-33	The binding of phosphorothioate oligonucleotides to CdS nanoparticles	Custom Peptides	PT-oligoG10, oligoG10

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2003	Kelleher SL	J. Nutr., Nov 2003; 133: 3378 - 3385	Zn Transporter Levels and Localization Change Throughout Lactation in Rat Mammary Gland and Are Regulated by Zn in Mammary Cells	Custom Peptides	peptide Zip3
2003	Kelleher SL	J. Nutr., Jul 2003; 133: 2141 - 2148	Marginal Maternal Zn Intake in Rats Alters Mammary Gland Cu Transporter Levels and Milk Cu Concentration and Affects Neonatal Cu Metabolism	Custom Peptides	Peptide rat Atp7A ,rat Atp7B
2003	Kemp HA	Mol. Cell. Biol., Mar 2003; 23: 1750 - 1763	Far3 and Five Interacting Proteins Prevent Premature Recovery from Pheromone Arrest in the Budding Yeast Saccharomyces cerevisiae	Custom Peptides	alpha-factor (peptide: H-Trp-His-Trp-Leu-Gln-Leu-Lys-Pro-Gly-Gln-Pro-Met-Tyr-OH) Reagents- 3-AT ,BSA, ClonNat, CPRG, 5-FOA , lauryl maltoside (n-docecyl-ß-D-maltoside, ULTROL grade) (Calbiochem); NP-40 (Igepal CA-630)
2003	Kim H	PNAS, Jun 2003; 100: 7460 - 7464	Determination of the membrane topology of Ost4p and its subunit interactions in the oligosaccharyltransferase complex in Saccharomyces cerevisiae	Custom Peptides	Synthetic OST4 peptide
2003	Kocher O	Mol. Cell. Biol., Feb 2003; 23: 1175 - 1180	Targeted Disruption of the PDZK1 Gene by Homologous Recombination	Custom Peptide Antibodies	PDZK1 cDNA
2003	Kohm AP	Journal of Autoimmunity, Volume 21, Issue 3, November 2003, Pages 261-271	Role of ICAM-1 and P-selectin expression in the development and effector function of CD4+CD25+regulatory T cells	Custom Peptides	Draining LN cells; MOG(35-55) specific T cells;
2003	Kong W	J. Biol. Chem., Jun 2003; 278: 22781 - 22786	Molecular Cloning and Expression of Keratinocyte Proline-rich Protein, a Novel Squamous Epithelial Marker Isolated During Skin Development	Custom Peptide Antibodies	RNAzol B,FastTrack mRNA isolation kit, superscript II, TA cloning vectors, TA cloning dual-promoter vectors, and ElectroMAX DH5-E cells ,SMART cDNA library construction kit ,[-32P]dCTP , dCTP labeling kit , Digoxigenin-RNA labeling kit , peptide, PCPSPELRPRPRPEP,Polyclonal antibodies
2003	Krenz M	J. Biol. Chem., May 2003; 278: 17466 - 17474	Analysis of Myosin Heavy Chain Functionality in the Heart	Custom Peptide Antibodies	Alexa 488-conjugated secondary antibody ,
2003	Kulkarni AA	J. Biol. Chem., Dec 2003; 278: 51833 - 51840	Analysis of Transmembrane Segment 7 of the Dipeptide Transporter hPepT1 by Cysteine-scanning Mutagenesis	Custom Oligo/DNA	hPepT1 cDNA ,
2003	Kulkarni AA	Biochemical and Biophysical Research Communications, Volume 306, Issue 1, 20 June 2003, Pages 177-185	Transmembrane segment 5 of the dipeptide transporter hPepT1 forms a part of the substrate translocation pathway	miscl	
2003	Lai W-P	Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, Volume 1639, Issue 1, 1 September 2003, Pages 34-42	Adaptive responses of 25-hydroxyvitamin D3 1-alpha hydroxylase expression to dietary phosphate restriction in young and adult rats	miscl	
2003	Lee H	J. Immunol., Dec 2003; 171: 5802 - 5811	Role of Antiproliferative B Cell Translocation Gene-1 as an Apoptotic Sensitizer in Activation-Induced Cell Death of Brain Microglia	Custom Peptide Antibodies	BTG1 cDNA ,LPS, N-monomethyl-L-arginine (NMMA), S-nitroso-N-acetylpenicillamine (SNAP), sodium nitroprusside (SNP), and tetracycline ,Recombinant mouse IFN--Cyano(3,4-dihydroxy)-N-benzylcinnamide (AG490)
2003	Lee W-S	J. Biol. Chem., Jul 2003; 278: 25940 - 25946	Small Conductance Ca2+-activated K+ Channels and Calmodulin: CELL SURFACE EXPRESSION AND GATING	Custom Peptides	SK-MLCK M13 peptide

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2003	Leong W-I	Am. J. Clinical Nutrition, Dec 2003; 78: 1203 - 1211	Iron supplementation during infancy—effects on expression of iron transporters, iron absorption, and iron utilization in rat pups	Custom Peptides	DMT1 and FPN1 antibodies
2003	Leong W-I	Am J Physiol Gastrointest Liver Physiol, Dec 2003; 285: 1153 - 1161	DMT1 and FPN1 expression during infancy: developmental regulation of iron absorption	Custom Oligo/DNA	DMT1 and FPN1 antibodies,human DMT1 cDNA ,rat FPN1 cDNA
2003	Li L	J. Immunol., Jul 2003; 171: 390 - 397	Mast Cells in Airway Hyporesponsive C3H/HeJ Mice Express a Unique Isoform of the Signaling Protein Ras Guanine Nucleotide Releasing Protein 4 That Is Unresponsive to Diacylglycerol and Phorbol Esters	Custom Peptides	V5 and 6xHis peptides12-mer peptide Arg-Lys-Asp-Ile-Lys-Arg-Lys-Ser-His-Gln-Glu-Cys anti-mRasGRP4 Abs
2003	Li W	Archives of Oral Biology, Volume 48, Issue 3, March 2003, Pages 177-183	X-linked amelogenesis imperfecta may result from decreased formation of tyrosine rich amelogenin peptide (TRAP)	miscl	
2003	Licht T	Blood, Sep 2003; 102: 2099 - 2107	Induction of pro-angiogenic signaling by a synthetic peptide derived from the second intracellular loop of S1P3 (EDG3)	Custom Peptides	Six peptides ,polyclonal anti-ERK2 antibody
2003	Liu A	J. Biol. Chem., Jul 2003; 278: 26423 - 26434	Functional Analysis of the Rat N-Methyl-D-aspartate Receptor 2A Promoter: MULTIPLE TRANSCRIPTION START POINTS, POSITIVE REGULATION BY Sp FACTORS, AND TRANSLATIONAL REGULATION	Custom Oligo/DNA	Antibodies against Sp1, Sp3, and Sp4
2003	Liu B	PNAS, Dec 2003; 100: 15824 - 15829	Cell surface expression of an endoplasmic reticulum resident heat shock protein gp96 triggers MyD88-dependent systemic autoimmune diseases	Custom Peptides	ApaL I DNA
2003	Liu G	J. Clin. Invest., Jul 2003; 112: 209 - 221	Neph1 and nephrin interaction in the slit diaphragm is an important determinant of glomerular permeability	Custom Peptide Antibodies	Neph1 cDNA ,Neph1 peptide ,KLH-conjugated peptides ,
2003	Liu JA	J. Immunol., Jul 2003; 171: 538 - 541	Cutting Edge: The Conversion of Arginine to Citrulline Allows for a High-Affinity Peptide Interaction with the Rheumatoid Arthritis-Associated HLA-DRB1*0401 MHC Class II Molecule	Custom Peptides	Peptides P4D, human aggrecan peptide 280–292, AGWLADRSVRYPI; P4R, altered human aggrecan peptide 280–292, AGWLARRSVRYPI; and P4citrulline (Cit), altered human aggrecan peptide 280–292, AGWLACitRSVRYPI, Peptides vimentin (Vim)65–77, human vimentin peptide 65–77, SAVRARSSVPGVR; and VimR70Cit, altered human vimentin peptide 65–77, SAVRACitSSVPGVR.
2003	Liu W	FEMS Immunology and Medical Microbiology, Volume 35, Issue 2, 20 March 2003, Pages 141-146	N-terminus of M2 protein could induce antibodies with inhibitory activity against influenza virus replication	Custom Peptides	P1: N-KSLLTEVETPIRNEWGCRCNDSSD (aa 2-24); P2: KSLLTEVETPIR-G-SLLTEVETPIR (aa 2-12); P3: KETPIRNEWGCR-G-ETPIRNEWGCR (aa 8-18); P4: KNEWGCRCNDSSD-G-NEWGCRCNDSSD (aa 13-24)
2003	Liu W	FEMS Immunology & Medical Microbiology, Volume 35, Issue 2: 141-146. doi: 10.1016/S0928-8244(03)00009-9	N-terminus of M2 protein could induce antibodies with inhibitory activity against influenza virus replication	Custom Peptides	P1: N-KSLLTEVETPIRNEWGCRCNDSSD (aa 2-24); P2: KSLLTEVETPIR-G-SLLTEVETPIR (aa 2-12); P3: KETPIRNEWGCR-G-ETPIRNEWGCR (aa 8-18); P4: KNEWGCRCNDSSD-G-NEWGCRCNDSSD (aa 13-24)

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2003	Lovely RS	Journal of Thrombosis and Haemostasis, Volume 1, Issue 1: 124-131. doi: 10.1046/j.1538-7836.2003.00027.x	Fibrinogen γ' chain binds thrombin exosite II	Custom Peptides	YIGSR, YIGSK, CDPGYIGSR
2003	Lum JJ	J. Clin. Invest., May 2003; 111: 1547 - 1554	Vpr R77Q is associated with long-term nonprogressive HIV infection and impaired induction of apoptosis	Custom Peptides	Vpr peptides. C-terminal (52-96) Vpr wild-type and mutant R77Q peptides
2003	Marian CO	Plant Physiology, Nov 2003; 133: 1336 - 1350	The Maize Single myb histone 1 Gene, Smh1, Belongs to a Novel Gene Family and Encodes a Protein That Binds Telomere DNA Repeats in Vitro	Custom Peptides	Smh1 cDNA
2003	Mataraza JM	Biochemical and Biophysical Research Communications, Volume 305, Issue 2, 30 May 2003, Pages 315-321	Identification and characterization of the Cdc42-binding site of IQGAP1,	Custom Peptides	MK24 (MVVSFNRGARGQNALRQILAPVVK, which corresponds to residues 1054–1077 of IQGAP1)
2003	Nichols WK	Toxicol. Sci., Feb 2003; 71: 229 - 236	3-Methylindole-Induced Toxicity to Human Bronchial Epithelial Cell Lines	Custom Peptide Antibodies	antipeptide polyclonal antibodies to CYP2F1 that were produced by Genemed Synthesis, Inc. (San Francisco, CA). These antibodies were...antipeptide polyclonal antibodies to CYP2F1 that were produced by Genemed Synthesis, Inc. (San Francisco, CA). These antibodies were
2003	Peng C-W	J. Virol., Mar 2003; 77: 2843 - 2849	Leader Proteinase of Beet Yellows Virus Functions in Long-Distance Transport	Custom Peptides	C-terminal oligopeptide of L-Pro (SLFHCDVASAFSSPFYSLPRFIG)
2003	Plotkin B	J. Pharmacol. Exp. Ther., Jun 2003; 305: 974 - 980	Insulin Mimetic Action of Synthetic Phosphorylated Peptide Inhibitors of Glycogen Synthase Kinase-3	Custom Peptides	CK-2 peptide, cAMP-dependent protein kinase , mitogen-activated protein kinase ,
2003	Qin D	Biochemical and Biophysical Research Communications, Volume 311, Issue 4, 28 November 2003, Pages 803-808	Identification of potential binding sites for the FHA domain of human Chk2 by in vitro binding studies	miscl	
2003	Qin J	Mol. Cell. Biol., May 2003; 23: 3253 - 3264.	Ste11p, a High-Mobility-Group Box DNA-Binding Protein, Undergoes Pheromone- and Nutrient-Regulated Nuclear-Cytoplasmic Shuttling	Custom Peptides	Synthetic P factor , NheI-BamHI DNA
2003	Reed JC	Virology, Volume 306, Issue 2, 15 February 2003, Pages 203-209	Suppressor of RNA silencing encoded by Beet yellows virus	Custom Peptide Antibodies	rabbit polyclonal antiserum
2003	Ribeiro PD	Peptides, Volume 24, Issue 11, November 2003, Pages 1807-1814	Prevention of lethal murine candidiasis using HP (2–20), an antimicrobial peptide derived from the N-terminus of Helicobacter pylori ribosomal protein L1	Custom Peptides	HP (2–20) A2KKVFKRLEKLFSKIQNDK20,
2003	Rosenkilde C	Biochemical and Biophysical Research Communications, Volume 309, Issue 2, 19 September 2003, Pages 485-494	Molecular cloning, functional expression, and gene silencing of two Drosophila receptors for the Drosophila neuropeptide pyrokinin-2	Custom Peptides	Drosophila pyrokinins-1; drosophila pyrokins-2
2003	Ruoppolo M	Protein Sci., Jan 2003; 12: 170 - 179	Structural characterization of transglutaminase-catalyzed cross-linking between glyceraldehyde 3-phosphate dehydrogenase and polyglutamine repeats Protein Sci., Jan 2003; 12: 170 - 179	Custom Peptides	Q17 peptide ,Q43 peptide ,), alpha -cyano-alpha-hydroxycinnamic acid, and 1,1,1,3,3,3-hexafluor-2-propanol (HFIP)

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2003	Schroers R	Clin. Cancer Res., Oct 2003; 9: 4743 - 4755.	Human Telomerase Reverse Transcriptase-Specific T-Helper Responses Induced by Promiscuous Major Histocompatibility Complex Class II-Restricted Epitopes	Custom Peptides	peptide EBNA482 (AEGLRALLARSHVER)
2003	Schroers R	Clin. Cancer Res., Aug 2003; 9: 3260 - 3271	Identification of MHC Class II-restricted T-cell Epitopes in Prostate-specific Membrane Antigen	Custom Peptides	six peptides [PSMA17 (RPRWLCAGALVLAGGFFLLGF), PSMA100 (WKEFGLDSVELAHYD), PSMA206 (GKVFRGNKVKNAQLA), PSMA459 (NYTLRVDCTPLMYSL), PSMA576 (VAQVRGGMVFELANSIVLPFD), and PSMA730 (RQIYVAAFTVQAAAE)] ,Peptide EBNA482 (AEGLRALLARSHVER),HLA-DR-binding peptides TEPITOPE software
2003	Schumacher MA	Cell, Volume 115, Issue 4, 14 November 2003, Pages 413-424	Structural Basis of Core Promoter Recognition in a Primitive Eukaryote	miscl	
2003	Shih S-C	PNAS, Dec 2003; 100: 15859 - 15864	Transforming growth factor 1 induction of vascular endothelial growth factor receptor 1: Mechanism of pericyte-induced vascular survival in vivo	Custom Oligo/DNA	cDNA VEGFR-1, VEGFR-2, TGF-beta1, VEGF-A
2003	Shih S-C	J. Clin. Invest., Jul 2003; 112: 50 - 57	Selective stimulation of VEGFR-1 prevents oxygen-induced retinal vascular degeneration in retinopathy of prematurity	Custom Oligo/DNA	VEGFR-1 and VEGFR-2 mRNA
2003	Shore SM	Gene, Volume 307, 27 March 2003, Pages 175-182	Identification of a novel isoform of Cdk9	Custom Peptides	SAPRGRKWPWRRKWRGRGGAC
2003	Slepenkov SV	FEBS Letters, Volume 539, Issues 1-3, 27 March 2003, Pages 100-104	Detection of a concerted conformational change in the ATPase domain of DnaK triggered by peptide binding	Custom Peptides	p5 (CLLLSAPRR) and Cro (MQERITLKDYAM) peptides
2003	Sohn J	J. Biol. Chem., Nov 2003; 278: 47868 - 47876	Orientation of Follicle-stimulating Hormone (FSH) Subunits Complexed with the FSH Receptor: SUBUNIT TOWARD THE N TERMINUS OF EXODOMAIN AND SUBUNIT TO EXOLOOP 3	Custom Peptides	FSHR cDNAs ,
2003	Solomon J	J. Bacteriol., Nov 2003; 185: 6425 - 6433.	Isolation and Characterization of Mutants of the Bacillus subtilis Oligopeptide Permease with Altered Specificity of Oligopeptide Transport	Custom Peptides	CSF pentapeptide ERGMT (37
2003	Stevenson-Lindert LM	J. Biol. Chem., Dec 2003; 278: 50956 - 50960.	Substrate Specificity of CDK2-Cyclin A: WHAT IS OPTIMAL?	Custom Peptides	Peptides CDK2-Cyclin A
2003	Sung YK	Cancer Science, Volume 94, Issue 3: 259-262. doi: 10.1111/j.1349-7006.2003.tb01430.x	Glypican-3 is overexpressed in human hepatocellular carcinoma	Custom Peptides	human GPC3
2003	Tanaka Y	J. Immunol., Feb 2003; 170: 1291 - 1298	Induction of Antigen-Specific CTL by Recombinant HIV Trans-Activating Fusion Protein-Pulsed Human Monocyte-Derived Dendritic Cells	Custom Peptides	induced with both viral and tumor Ag-containing TAT FP. Materials and Methods Peptide synthesis Peptides were purchased from Genemed Synthesis (San Francisco, CA). Syntheses were conducted by a standard solid phase method based on fluorenylmethoxycarbonyl
2003	Tehara SK	Appl. Envir. Microbiol., Jan 2003; 69: 504 - 508	Gene Cloning, Purification, and Characterization of a Phosphodiesterase from Delftia acidovorans	Custom Oligo/DNA	.....essentially the same procedures outlined for Southern blots. The positive clone pSKT1 was sent for nucleotide sequencing by Genemed Inc. (South San

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			Appl. Envir. Microbiol., Jan 2003; 69: 504 - 508		Francisco, Calif.) and the DNA Sequencing Facility at the University of California at Berkeley. Phosphodiesterase
2003	Tian L	J. Biol. Chem., Feb 2003; 278: 8669 - 8677	Leucine Zipper Domain Targets cAMP-dependent Protein Kinase to Mammalian BK Channels	Custom Peptides	LZ1 peptide ,LZ2 peptide
2003	Toka FN	J. Virol., Dec 2003; 77: 12742 - 12752	Codelivery of CCR7 Ligands as Molecular Adjuvants Enhances the Protective Immune Response against Herpes Simplex Virus Type 1	Custom Peptides	Peptide HSV-gB498-505 (SSIEFARL,Plasmid DNA. CCL19- and CCL21
2003	Uemura Y	J. Immunol., Jan 2003; 170: 947 - 960.	Systematic Analysis of the Combinatorial Nature of Epitopes Recognized by TCR Leads to Identification of Mimicry Epitopes for Glutamic Acid Decarboxylase 65-Specific TCRs	Custom Oligo/DNA	.....Briefly, oligonucleotide fragments encoding degenerate GAD65115-127 were synthesized and purified using polyacrylamide gel (Genemed Synthesis, South San Francisco, CA). These oligonucleotide fragments were amplified by PCR with 5-biotinylated primers, 5-TCC
2003	Verica JA	Plant Physiology, Dec 2003; 133: 1732 - 1746	Tissue-Specific and Developmentally Regulated Expression of a Cluster of Tandemly Arrayed Cell Wall-Associated Kinase-Like Kinase Genes in Arabidopsis	Custom Peptides	WAK1 cDNA ,WAKL6 polyclonal antibodies
2003	Vidovic D	Human Immunology, Volume 64, Issue 2, February 2003, Pages 238-244	Specific stimulation of MHC-transgenic mouse T-cell hybridomas with xenogeneic APC	miscl	
2003	Vilar MM	Vaccine, Volume 22, Issue 1, 8 December 2003, Pages 137-144	An experimental bivalent peptide vaccine against schistosomiasis and fascioliasis	miscl	
2003	Wang Y	Archives of Biochemistry and Biophysics, Volume 415, Issue 1, 1 July 2003, Pages 43-53	Phospholipid vesicle fusion induced by saposin C	Custom Peptides	synthesized human asposin C peptide
2003	Warren D	PNAS, Jul 2003; 100: 8176 - 8181	Identification of the integrase surface that interacts with Xis reveals a residue that is also critical for Int dimer formation	Custom Peptides	Peptides lambdaXis (TGGLLKRIRNGKK)
2003	Wedaman KP	Mol. Biol. Cell, Mar 2003; 14: 1204 - 1220	Tor Kinases Are in Distinct Membrane-associated Protein Complexes in Saccharomyces cerevisiae	Custom Peptide Antibodies	Anti-HA polyclonal antibodies ,
2003	Werner SR	Cancer Letters, Volume 202, Issue 2, 30 December 2003, Pages 201-211	Enhanced cell cycle progression and down regulation of p21Cip1/Waf1 by PRL tyrosine phosphatases	Custom Peptides	human PRL-1, PRL-2
2003	Woo S-H	J. Physiol., Oct 2003; 552: 437 - 447	Modulation of Ca2+ signalling in rat atrial myocytes: possible role of the 1C carboxyl terminal	Custom Peptides	LA-, K- and LM1-peptides
2003	Woo S-H	The Journal of Physiology, Volume 552, Issue 2: 437-447. doi: 10.1111/j.1469-7793.2003.00437.x	Modulation of Ca2+ signalling in rat atrial myocytes: possible role of the α1c carboxyl terminal	Custom Peptides	LA-, K-, LM1-
2003	Wu KLH	Neurobiology of Disease, Volume 14, Issue 1, October 2003, Pages 19-31	Expression of pro-inflammatory cytokine and caspase genes promotes neuronal apoptosis in pontine reticular formation after spinal cord transection	Custom Peptides	

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2003	Xiao G-Q	Biochemical and Biophysical Research Communications, Volume 306, Issue 4, 11 July 2003, Pages 1019-1025	PKC isozyme selective regulation of cloned human cardiac delayed slow rectifier K current	Custom Peptides	peptides eV1-7 (HDAPIGYD, ePKC agonist),
2003	Xu W-H	Insect Molecular Biology, Volume 12, Issue 5: 509-516. doi: 10.1046/j.1365-2583.2003.00437.x	Molecular characterization of prothoracicotropic hormone and diapause hormone in Heliothis virescens during diapause, and a new role for diapause hormone	Custom Peptides	(Hvi-DH-NH2) and free C-terminal peptide (Hvi-DH)
2003	Yau HCM	Biosensors and Bioelectronics, Volume 18, Issue 7, July 2003, Pages 873-879	Electrochemical properties of DNA-intercalating doxorubicin and methylene blue on n-hexadecyl mercaptan-doped 5′-thiol-labeled DNA-modified gold electrodes	Custom Oligo/DNA	5-HS-(CH2)6-CAA GTA GCG AAG CGA GCA GGA C-3 (abbreviated HS-ssDNA) and it complementary sequence 5-GTC CTG CTC GCT TCG CTA CTT G-3 (abbreviated ssDNA).
2003	Yokoyama N	J. Biol. Chem., Nov 2003; 278: 47713 - 47723	Biochemical Properties of the Cdc42-associated Tyrosine Kinase ACK1: SUBSTRATE SPECIFICITY, AUTOPHOSPHORYLATION, AND INTERACTION WITH Hck	Custom Peptide Antibodies	Anti-HA monoclonal antibody and anti-ACK and anti-Hck polyclonal antibodies
2003	Zeng H	J. Biol. Chem., May 2003; 278: 20738 - 20745	Heterotrimeric G q/G 11 Proteins Function Upstream of Vascular Endothelial Growth Factor (VEGF) Receptor-2 (KDR) Phosphorylation in Vascular Permeability Factor/VEGF Signaling	Custom Oligo/DNA	Recombinant VPF/VEGF , EGM-MV Bullet kit, trypsin-EDTA, and trypsin neutralization solution , Rabbit polyclonal antibodies , anti-phosphotyrosine antibody , antiphospho-p42/p44 MAPK antibody , [3H]thymidine , Pluronic F-127
2003	Zhang N	Invest. Ophthalmol. Vis. Sci., May 2003; 44: 3441.	Molecular Identification of Membrane Potential Driven Organic Cation Transporters in the Rabbit Conjunctival Epithelium	Custom Oligo/DNA	QIAquickTM Gel Extraction Kit , Poly(A)+RNA , Oligotex mRNA Mini Kit. mRNA samples (5 mg/lane) , HRP-labeled 335bp rbOCT3 cDNA ,Western blot , polyclonal rabbit anti-rOCT3 antibody
2003	Zhang N	Invest. Ophthalmol. Vis. Sci., May 2003; 44: 3441	Molecular Identification of Membrane Potential Driven Organic Cation Transporters in the Rabbit Conjunctival Epithelium	miscl	
2003	Zhang X	Materials Chemistry and Physics, Volume 77, Issue 3, 30 January 2003, Pages 899-902	Preparation of CdS nanoparticles on Langmuir monolayers of oligomeric DNA	Custom Oligo/DNA	OligomericDNAcontaining 10 adenine bases (oligo[A]10)
2004	Agarwal A	Am. J. Pathol., May 2004; 164: 1683 - 1696	N-Acetyl-Cysteine Promotes Angiostatin Production and Vascular Collapse in an Orthotopic Model of Breast Cancer	Custom Oligo/DNA	mRNA.VEGF
2004	Ahmad S	International Journal of Medical Microbiology, Volume 294, Issue 1, 28 June 2004, Pages 45-51	PCR-enzyme immunoassay of rDNA in the diagnosis of candidemia and comparison with amplicon detection by agarose gel electrophoresis	Custom Oligo/DNA	
2004	Anuradha S	J. Biol. Chem., Jul 2004; 279: 28961 - 28969.	Saccharomyces cerevisiae Hop1 Zinc Finger Motif Is the Minimal Region Required for Its Function in Vitro	Custom Peptides	Hop1-putative ZnF ,C371S mutant peptide
2004	Arap MA	Cancer Cell, Volume 6, Issue 3, September 2004, Pages 275-284	Cell surface expression of the stress response chaperone GRP78 enables tumor targeting by circulating ligands	miscl	
2004	Bai X-F	J. Exp. Med., Aug 2004; 200: 447 - 458.	CD24 Controls Expansion and Persistence of Autoreactive T Cells in the Central Nervous System during Experimental Autoimmune Encephalomyelitis	Custom Peptides	MOG peptide 35-55

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2004	Ban C	Nucleic Acids Res., Jul 2004; 32: e110	Detection of protein–DNA interaction with a DNA probe: distinction between single-strand and double-strand DNA–protein interaction	Custom Oligo/DNA	dna 5' base [NH2(CH2)6]
2004	Bauerly KA	The Journal of Nutritional Biochemistry, Volume 15, Issue 3, March 2004, Pages 155-162	Functional and molecular responses of suckling rat pups and human intestinal Caco-2 cells to copper treatment	Custom Peptides	Ctr1, Atp7A
2004	Binder RJ	PNAS, Apr 2004; 101: 6128 - 6133	Essential role of CD91 in re-presentation of gp96-chaperoned peptides	Custom Peptides	NH2-SGLEQLESIINFEKLTEWTS-COOH)vesicular stomatitis virus (VSV)20 (NH2-SLSNLRGYVYQGLKSGNVS-COOH) peptides
2004	Bollard CM	J. Exp. Med., Dec 2004; 200: 1623 - 1633	Cytotoxic T Lymphocyte Therapy for Epstein-Barr Virus+ Hodgkin's Disease	Custom Peptides	LMP2 peptide
2004	Brennan D	Differentiation, Volume 72, Issue 8: 434-449. doi: 10.1111/j.1432-0436.2004.07208009.x	Differential structural properties and expression patterns suggest functional significance for multiple mouse desmoglein 1 isoforms	Custom Peptides	‘‘N’’-FQGDPDETLETPLYG-‘‘C’’ and N’-TSTEKPVTLSITPNV-‘‘ C’’
2004	Chang M-C	J. Biol. Chem., Dec 2004; 279: 50676 - 50683	The Induction of Prostaglandin E2 Production, Interleukin-6 Production, Cell Cycle Arrest, and Cytotoxicity in Primary Oral Keratinocytes and KB Cancer Cells by Areca Nut Ingredients Is Differentially Regulated by MEK/ERK Activation	Custom Oligo/DNA	Mouse anti-human COX-2 monoclonal antibody
2004	Chen E	Blood, Mar 2004; 103: 1710 - 1719	Syndecan-2 is essential for angiogenic sprouting during zebrafish development	Custom Oligo/DNA	syndecan-2 cDNA
2004	CHEN J	Clinical & Experimental Immunology, Volume 138, Issue 2: 245-250. doi: 10.1111/j.1365-2249.2004.02623.x	Allogenic donor splenocytes pretreated with antisense peptide against B7 prolong cardiac allograft survival	Custom Peptides	The peptide was synthesized on a solid phase peptide synthesizer (Multiple Peptide Synthesizer; Genemed Synthesis
2004	Chen W-F	J. Clin. Endocrinol. Metab., May 2004; 89: 2351 - 2359	Genistein Enhances Insulin-Like Growth Factor Signaling Pathway in Human Breast Cancer (MCF-7) Cells	Custom Oligo/DNA	MCF-7 cDNA
2004	Chesnokova LS	FEBS Letters, Volume 565, Issues 1-3, 7 May 2004, Pages 65-69	The insect antimicrobial peptide, -pyrrhocoricin, binds to and stimulates the ATPase activity of both wild-type and lidless DnaK	Custom Peptides	p5, L-PYR, D-PYR
2004	Christodoulou J	J. Biol. Chem., Jul 2004; 279: 29092 - 29100	Evidence for Differing Roles for Each Lobe of the Calmodulin-like Domain in a Calcium-dependent Protein Kinase	Custom Peptides	peptide CaM-LD
2004	Connell PP	Cancer Res., May 2004; 64: 3002 - 3005	A Hot Spot for RAD51C Interactions Revealed by a Peptide That Sensitizes Cells to Cisplatin	Custom Peptides	Antibodies polyclonal anti-hsRAD51
2004	Cottrell GS	J. Biol. Chem., Apr 2004; 279: 13532 - 13539	Trypsin IV, a Novel Agonist of Protease-activated Receptors 2 and 4	Custom Peptides	peptide PAR2 (SLIGKV-NH2) ,PAR1 (TFLLR-NH2) and PAR4 (AYPGKF-NH2),
2004	Cowley S	Molecular Microbiology, Volume 52, Issue 6: 1691-1702. doi: 10.1111/j.1365-2958.2004.04085.x	The Mycobacterium tuberculosis protein serine/threonine kinase PknG is linked to cellular glutamate/glutamine levels and is important for growth in vivo	Custom Peptides	Protein samples in gel slices were sent to Genemed Synthesis where PknG was electroeluted from gel slices and injected into rabbits. Polyclonal rabbit anti-PknG antibodies were semi-purified using preblotting against a blot of PknG mutant protein extract and were tested against purified PknG.

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2004	Eda K	Am J Trop Med Hyg, Aug 2004; 71: 190 - 195	IDENTIFICATION OF PEPTIDES TARGETING THE SURFACE OF PLASMODIUM FALCIPARUM-INFECTED ERYTHROCYTES USING A PHAGE DISPLAY PEPTIDE LIBRARY	Custom Peptides	DNA preparation kit (QIAprep Spin M13 kit,Synthetic peptides
2004	Elssner A	J. Immunol., Apr 2004; 172: 4987 - 4994	A Novel P2X7 Receptor Activator, the Human Cathelicidin-Derived Peptide LL37, Induces IL-1 Processing and Release	Custom Peptides	hexapeptide WKYMVm
2004	Embers ME	Vaccine, Volume 22, Issues 5-6, 26 January 2004, Pages 671-681	Differential antibody responses to a distinct region of human papillomavirus minor capsid proteins	Custom Peptide Antibodies	A peptide derived from the human papillomavirus type 16 (HPV-16) minor capsid protein, L2, has previously been reported to induce cross-neutralizing antibodies in mice. In this report, four HPV L2 peptides, including the HPV-16 peptide and its HPV type 6 and 11 homologues, along with extended peptides containing a conserved set of amino acids, were used to immunize rabbits
2004	Etkind PR	Clin. Cancer Res., Sep 2004; 10: 5656 - 5664	Clonal Isolation of Different Strains of Mouse Mammary Tumor Virus-Like DNA Sequences from Both the Breast Tumors and Non-Hodgkin's Lymphomas of Individual Patients Diagnosed with Both Malignancies	Custom Oligo/DNA	DNA products TOPO TA Cloning kit PCR products-
2004	Fang Q	Eur. Respir. J., Dec 2004; 24: 918 - 924.	Thrombin induces collagen gel contraction partially through PAR1 activation and PKC-	Custom Peptides	siRNA EGTA,human PAR1 human PAR4,TGF-ß1,FBS
2004	Ferree S	Biophys. J., Jul 2004; 87: 468 - 475	The Hydrodynamics of DNA Electrophoretic Stretch and Relaxation in a Polymer Solution	Custom Oligo/DNA	T4 DNA,12 basepair 3'-biotinylated DNA
2004	Frecer V	Antimicrob. Agents Chemother., Sep 2004; 48: 3349 - 3357	De Novo Design of Potent Antimicrobial Peptides	Custom Peptides	V peptide
2004	Fu CT	J. Biol. Chem., Aug 2004; 279: 36943 - 36950	CCN3 (NOV) Interacts with Connexin43 in C6 Glioma Cells: POSSIBLE MECHANISM OF CONNEXIN-MEDIATED GROWTH SUPPRESSION	Custom Peptide Antibodies	CCN3 IgG antibody
2004	Gao Y	J. Exp. Biol., Aug 2004; 207: 2991 - 3002	Characterization and expression of plasma membrane Ca2+ ATPase (PMCA3) in the crayfish Procambarus clarkii antennal gland during molting	Custom Peptide Antibodies	PMCA3 antibody
2004	Ge L	J. Biol. Chem., Dec 2004; 279: 55419 - 55424	Constitutive Protease-activated Receptor-2-mediated Migration of MDA MB-231 Breast Cancer Cells Requires Both -Arrestin-1 and -2	Custom Peptides	Human PAR-2 peptides SLIGKV-NH2 (hAP) and 2f-AP and scrambled PAR-2 peptide (scr-AP)
2004	GERTON GL	Ann. N.Y. Acad. Sci., Jun 2004; 1022: 306 - 316	A Serum Proteomics Approach to the Diagnosis of Ectopic Pregnancy	elisa	ELISA kits,SELDI
2004	Gibson L	J. Immunol., Feb 2004; 172: 2256 - 2264	Human Cytomegalovirus Proteins pp65 and Immediate Early Protein 1 Are Common Targets for CD8+ T Cell Responses in Children with Congenital or Postnatal Human Cytomegalovirus Infection	Custom Peptides	nonamer peptides aa 495–503 NLVPMVATV (NV),aa 316–324 VLEETSVML (VL),HLA-A*0201-restricted HCMV pp65 and IE1 epitopes
2004	Goldenberg-Furmanov M	Cancer Res., Feb 2004; 64: 1058 - 1066.	Lyn Is a Target Gene for Prostate Cancer: Sequence-Based Inhibition Induces Regression of Human Tumor Xenografts	Custom Peptides	Anti-Lyn ,anti-Syk ,anti-Fyn,anti-Lck ,anti-mitogen-activated protein kinase (anti-MAPK; C-14),anti-CD19 antibodies ,anti-phospho-tyrosine monoclonal antibody (mAb; clone 4G10)

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2004	Grassadonia A	Endocrinology, Oct 2004; 145: 4728 - 4736	The 90K Protein Increases Major Histocompatibility Complex Class I Expression and Is Regulated by Hormones, -Interferon, and Double-Strand Polynucleotides	Custom Peptides	17-amino-acid peptide (amino acids 530–546),
2004	Gum ET	Stroke, Feb 2004; 35: 590 - 595.	Human Serum Albumin and its N-Terminal Tetrapeptide (DAHK) Block Oxidant-Induced Neuronal Death	Custom Peptides	N-Terminal Tetrapeptide (DAHK)
2004	Han Z	Peptides, Volume 25, Issue 4, April 2004, Pages 551-561	Identification and characterization of peptides that bind to cyanovirin-N, a potent human immunodeficiency virus-inactivating protein	miscl	
2004	Henke MO	Am. J. Respir. Cell Mol. Biol., Jul 2004; 31: 86 - 91	MUC5AC and MUC5B Mucins Are Decreased in Cystic Fibrosis Airway Secretions	Custom Peptide Antibodies	MUC5AC and MUC5B Antibodies
2004	Jung C-H	Biochemical and Biophysical Research Communications, Volume 325, Issue 3, 17 December 2004, Pages 744-750	Suppression of the facile latency transition of α1-antitrypsin variant Mmalton by stabilizing mutations	Custom Peptides	a1AT proteins
2004	Kaidanovich-Beilin O	Biological Psychiatry, Volume 55, Issue 8, 15 April 2004, Pages 781-784	Rapid antidepressive-like activity of specific glycogen synthase kinase-3 inhibitor and its effect on β-catenin in mouse hippocampus	Custom Peptides	L803-mts, cpL803-mts
2004	Khurana R	Circulation, Oct 2004; 110: 2436 - 2443	Angiogenesis-Dependent and Independent Phases of Intimal Hyperplasia	Custom Peptides	PR39 Peptides
2004	Kopan S	Biochemical and Biophysical Research Communications, Volume 319, Issue 1, 18 June 2004, Pages 58-65	The lysosomal degradation of neuromedin B is dependent on tripeptidyl peptidase-I: evidence for the impairment of neuropeptide degradation in late-infantile neuronal ceroid lipofuscinosis	miscl	
2004	Koper TE	Appl. Envir. Microbiol., Apr 2004; 70: 2342 - 2348	Urease-Encoding Genes in Ammonia-Oxidizing Bacteria	Custom Oligo/DNA	ureC genes
2004	Lamont LB	Developmental Cell, Volume 7, Issue 5, November 2004, Pages 697-707	FBF-1 and FBF-2 Regulate the Size of the Mitotic Region in the C. elegans Germline	Custom Peptide Antibodies	FBF-2 antibodies
2004	Lee G	Genetics, May 2004; 167: 311 - 323	Hemolymph Sugar Homeostasis and Starvation-Induced Hyperactivity Affected by Genetic Manipulations of the Adipokinetic Hormone-Encoding Gene in Drosophila melanogaster	Custom Peptide Antibodies	anti-AKH antibody
2004	Lee K-W	J. Biol. Chem., Jan 2004; 279: 469 - 476	Cellular Internalization of Insulin-like Growth Factor Binding Protein-3: DISTINCT ENDOCYTIC PATHWAYS FACILITATE RE-UPTAKE AND NUCLEAR LOCALIZATION	Custom Peptides	peptide (DGIWKASFTTFTVTKYWFYR) and non-binding peptide (NRDPKHLNDDVVKIDFEDVIAEPEGTH SF)
2004	Leen AM	Blood, Oct 2004; 104: 2432 - 2440	Conserved CTL epitopes on the adenovirus hexon protein expand subgroup cross-reactive and subgroup-specific CD8+ T cells	Custom Peptides	predict peptides
2004	Li P	J. Biol. Chem., Nov 2004; 279: 50150 - 50156	Perturbation of Lipopolysaccharide (LPS) Micelles by Sushi 3 (S3) Antimicrobial Peptide: THE IMPORTANCE OF AN INTERMOLECULAR DISULFIDE BOND IN S3 DIMER FOR BINDING, DISRUPTION, AND	Custom Peptides	native S3 peptide

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			NEUTRALIZATION OF LPS		
2004	Li Y	J. Immunol., Mar 2004; 172: 3225 - 3234.	Cryptic Epitope Identified in Rat and Human Cardiac Myosin S2 Region Induces Myocarditis in the Lewis Rat	Custom Peptides	Thirty-two overlapping peptides from the S2 region of HCM
2004	Lin P-J	J. Biol. Chem., Feb 2004; 279: 6560 - 6566	Binding of the Factor IX -Carboxyglutamic Acid Domain to the Vitamin K-dependent -Glutamyl Carboxylase Active Site Induces an Allosteric Effect That May Ensure Processive Carboxylation and Regulate the Release of Carboxylated Product	Custom Peptides	Peptide FLDDL
2004	Liu A	J. Biol. Chem., Apr 2004; 279: 17449 - 17458	NF- B Site Interacts with Sp Factors and Up-regulates the NR1 Promoter during Neuronal Differentiation	Custom Oligo/DNA	Antibodies Sp1 (07-124),Sp3 (sc13018x and sc644x), Sp4 (sc13019x and sc645x), p65 (sc-109x), p50 (sc-114x), p52 (sc-298x), and c-Rel (sc-272x),Recombinant proteins p50 and p49
2004	Liu W	Vaccine, Volume 23, Issue 3, 2 December 2004, Pages 366-371	High epitope density in a single recombinant protein molecule of the extracellular domain of influenza A virus M2 protein significantly enhances protective immunity	Custom Peptides	peptide of the M2e epitope, N-KSLLTEVETPIRNEWGCRCNDSSD(aa2–24),
2004	Liu W	Immunology Letters, Volume 93, Issues 2-3, 15 May 2004, Pages 131-136	Monoclonal antibodies recognizing EVETPIRN epitope of influenza A virus M2 protein could protect mice from lethal influenza A virus challenge	Custom Peptides	NM2: K-SLLTEVETPIR-G-SLLTEVETPIR (contains aa2–12 sequence of M2e, SLLTEVETPIR); MM2: K-ETPIRNEWGCR-G-ETPIRNEWGCR (contains aa8–18 sequence of M2e, ETPIRNEWGCR); CM2: K-NEWGCRCNDSSD-G-NEWGCRCNDSSD (contains aa8–18 sequence of M2e, NEWGCRCNDSSD).
2004	Majewski N	Molecular Cell, Volume 16, Issue 5, 3 December 2004, Pages 819-830	Hexokinase-Mitochondria Interaction Mediated by Akt Is Required to Inhibit Apoptosis in the Presence or Absence of Bax and Bak	Custom Peptides	HPLC-purified hexokinase peptide
2004	Mamidipudi V	J. Biol. Chem., Feb 2004; 279: 4161 - 4165	Regulation of Interleukin Receptor-associated Kinase (IRAK) Phosphorylation and Signaling by Iota Protein Kinase C	Custom Peptides	IRAK peptides
2004	Martin ME	Molecular Microbiology, Volume 54, Issue 1: 60-74. doi: 10.1111/j.1365-2958.2004.04251.x	Cell cycle-dependent abundance, stability and localization of FtsA and FtsQ in Caulobacter crescentus	Custom Peptides	The peptides were purified to greater than 70% purity, coupled to Keyhole Limpet Hemocyanin and coinjected in equimolar ratio into rabbits by Genemed Synthesis, Inc
2004	Mason RD	J. Immunol., Jun 2004; 172: 7212 - 7219	Antiretroviral Drug Resistance Mutations Sustain or Enhance CTL Recognition of Common HIV-1 Pol Epitopes	Custom Peptides	test peptides
2004	Mayrose M	J. Biol. Chem., Apr 2004; 279: 14819 - 14827	LeMPK3 Is a Mitogen-activated Protein Kinase with Dual Specificity Induced during Tomato Defense and Wounding Responses	Custom Peptides	peptide MVDANMGAAQFPDFP,LeMPK3 Protein
2004	McGargill MA	Immunity, Volume 21, Issue 6, December 2004, Pages 781-791	A Deficiency in Drak2 Results in a T Cell Hypersensitivity and an Unexpected Resistance to Autoimmunity	Custom Peptides	MOG35-55 (MEVGWYRSPFSR vested and stained with Annexin V (Pharmingen, San Diego, CA). VVHLYRNGK
2004	McGee DJ	Eur. J. Biochem., May 2004; 271: 1952 - 1962	Purification and characterization of Helicobacter pylori arginase, RocF: unique features among the arginase superfamily	Custom Peptide Antibodies	RocF Polyclonal antibodies

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2004	McGee DJ	European Journal of Biochemistry, Volume 271, Issue 10: 1952-1962. doi: 10.1111/j.1432-1033.2004.04105.x	Purification and characterization of Helicobacter pylori arginase, RocF: unique features among the arginase superfamily	Custom Peptide Antibodies	polyclonal antibodies
2004	Miedlich SU	J. Biol. Chem., Feb 2004; 279: 7254 - 7263	Homology Modeling of the Transmembrane Domain of the Human Calcium Sensing Receptor and Localization of an Allosteric Binding Site	Custom Peptide Antibodies	polyclonal antibody
2004	Miller CL	Neurobiology of Disease, Volume 15, Issue 3, April 2004, Pages 618-629	Expression of the kynurenine pathway enzyme tryptophan 2,3-dioxygenase is increased in the frontal cortex of individuals with schizophrenia	miscl	
2004	Mitrofanova E	Clin. Cancer Res., Oct 2004; 10: 6969 - 6976	Rat Sodium Iodide Symporter for Radioiodide Therapy of Cancer	Custom Peptides	rNIS-peptide conjugate
2004	Mohindru M	Journal of Neuroimmunology, Volume 155, Issues 1-2, October 2004, Pages 127-135	Functional maturation of proteolipid protein139–151-specific Th1 cells in the central nervous system in experimental autoimmune encephalomyelitis	Custom Peptides	PLP139–151 (HSLGKWLGHPDKF)
2004	Munks MW	Immunology, Volume 112, Issue 4: 559-566. doi: 10.1111/j.1365-2567.2004.01917.x	4-1BB and OX40 stimulation enhance CD8 and CD4 T-cell responses to a DNA prime, poxvirus boost vaccine	Custom Peptides	For analysis of peptide-specific CD8 T cells, spleen cells were cultured for 5–6 hr in the presence of brefeldin A (GolgiPlug, BD Pharmingen, San Diego, CA) with or without 1 µg/ml synthetic peptide (Genemed Synthesis
2004	Nickols HH	J. Biol. Chem., Nov 2004; 279: 46969 - 46980	Calmodulin Interacts with the V2 Vasopressin Receptor: ELIMINATION OF BINDING TO THE C TERMINUS ALSO ELIMINATES ARGININE VASOPRESSIN-STIMULATED ELEVATION OF INTRACELLULAR CALCIUM	Custom Oligo/DNA	V2R cDNA
2004	Niv MY	J. Biol. Chem., Jan 2004; 279: 1242 - 1255	Sequence-based Design of Kinase Inhibitors Applicable for Therapeutics and Target Identification	Custom Peptides	Fmoc solid phase peptide , horseradish peroxidase-conjugated goat anti-rabbit or donkey anti-mouse secondary Abs
2004	Ogata Y	Analytical Biochemistry, Volume 331, Issue 1, 1 August 2004, Pages 161-168	Automated affinity chromatography measurements of compound mixtures using a lab-on-valve apparatus coupled to electrospray ionization mass spectrometry	Custom Peptides	peptide DWAQEYA
2004	Pager CT	J. Virol., Sep 2004; 78: 9154 - 9163	Subcellular Localization and Calcium and pH Requirements for Proteolytic Processing of the Hendra Virus Fusion Protein	cab, cap	SV5 F antipeptide antibodies
2004	Qi X	Archives of Biochemistry and Biophysics, Volume 424, Issue 2, 15 April 2004, Pages 210-218	Fusogenic domain and lysines in saposin C	Custom Peptides	human saposin C peptides
2004	Qiao H	PLANT CELL, Mar 2004; 16: 582 - 595	The F-Box Protein AhSLF-S2 Physically Interacts with S-RNases That May Be Inhibited by the Ubiquitin/26S Proteasome Pathway of Protein Degradation during Compatible Pollination in Antirrhinum	Custom Peptide Antibodies	mouse monoclonal anti-tubulin Ab , rabbit anti-ubiquitin Ab, alkaline phosphatase-conjugated secondary antibodies and nitroblue tetrazolumy 5-bromo-4-chloro-3-indolyl phosphate , AhSLF-S2 protein ,
2004	Qin W	Biochemical and Biophysical Research Communications, Volume 322, Issue 3, 24 September 2004, Pages 1024-1028	A novel TNFα antagonizing peptide-Fc fusion protein designed based on CDRs of TNFα neutralizing monoclonal antibody	Custom Peptides	peptide (YINTGYD GLYYNSMD)

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2004	Renninger N	Appl. Envir. Microbiol., Dec 2004; 70: 7404 - 7412	Uranyl Precipitation by Pseudomonas aeruginosa via Controlled Polyphosphate Metabolism	Custom Oligo/DNA	.....PCR. PCR was performed by using an Extend High Fidelity system (Boehringer Mannheim). Oligonucleotides were purchased from Genemed Synthesis (South San Francisco, Calif.) and QIAGEN Operon (Alameda, Calif.). Polyphosphate degradation in crude cell lysates
2004	Reyes AE	Am. J. Pathol., Jun 2004; 164: 2163 - 2174	Acetylcholinesterase-Aß Complexes Are More Toxic than Aß Fibrils in Rat Hippocampus: Effect on Rat ß-Amyloid Aggregation, Laminin Expression, Reactive Astrocytosis, and Neuronal Cell Loss	Custom Peptides	Ab1-40 peptide
2004	Richard H	J. Bacteriol., Sep 2004; 186: 6032 - 6041	Escherichia coli Glutamate- and Arginine-Dependent Acid Resistance Systems Increase Internal pH and Reverse Transmembrane Potential	Custom Peptide Antibodies	rabbit anti-GadC antibodies
2004	ROBERTSON MP	RNA, Jan 2004; 10: 114 - 127	In vitro selection of ribozymes dependent on peptides for activity	Custom Peptides	peptide sRevn,
2004	Sakai T	Endocrinology, Dec 2004; 145: 5671 - 5678.	Characterization of Crustacean Cardioactive Peptide as a Novel Insect Midgut Factor: Isolation, Localization, and Stimulation of -Amylase Activity and Gut Contraction	Custom Oligo/DNA	CCAP cDNA
2004	Sambandam T	Biochemical and Biophysical Research Communications, Volume 325, Issue 4, 24 December 2004, Pages 1324-1329	Increased peptidylarginine deiminase type II in hypoxic astrocytes	miscl	
2004	Santama N	J. Cell Sci., Sep 2004; 117: 4537 - 4549	Distribution and functions of kinectin isoforms	Custom Peptides	Polyclonal antibodies V2 (mIn2),V3 (mIn3)
2004	Seibenhener ML	Mol. Cell. Biol., Sep 2004; 24: 8055 - 8068	Sequestosome 1/p62 Is a Polyubiquitin Chain Binding Protein Involved in Ubiquitin Proteasome Degradation	Custom Oligo/DNA	p62 pcDNA3
2004	Shepard JL	Methods in Cell Biology, Volume 76, 2004, Pages 109-125	Analysis of the Cell Cycle in Zebrafish Embryos	miscl	
2004	Shie J-L	J. Biol. Chem., Jun 2004; 279: 25010 - 25016	RTEF-1, a Novel Transcriptional Stimulator of Vascular Endothelial Growth Factor in Hypoxic Endothelial Cells	Custom Peptide Antibodies	anti-RTEF-1 antibody
2004	Simmonds AC	J. Pharmacol. Exp. Ther., Sep 2004; 310: 855 - 864	Bioactivation of 1,1-Dichloroethylene by CYP2E1 and CYP2F2 in Murine Lung	Custom Peptide Antibodies	CYP2F1 polyclonal antibody
2004	Singh B	J. Biol. Chem., Jan 2004; 279: 477 - 487	Insulin-like Growth Factor-independent Effects Mediated by a C-terminal Metal-binding Domain of Insulin-like Growth Factor Binding Protein-3	Custom Peptides	peptides IGFBP-3,anti-MBD5 polyclonal antibody
2004	Slovut DP	Cardiovascular Research, Volume 62, Issue 2, 1 May 2004, Pages 388-396	Increased vascular sensitivity and connexin43 expression after sympathetic denervation	Custom Peptides	synthetic peptide corresponding to amino
2004	Soltau M	Journal of Neurochemistry, Volume 90, Issue 3: 659-665. doi: 10.1111/j.1471-	Insulin receptor substrate of 53 kDa links postsynaptic shank to PSD-95	Custom Peptides	C-termini of GKAP/ SAPAP (sequence IYIPEAQTRL), the rat somatostatin receptor subtype 3 (KASTLSHL), the NMDA

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		4159.2004.02523.x			receptor 2 A subunit (KKLSSIESDV) and IRSp53 (SGSGTLVSTV)
2004	Thorne ME	Biochemical and Biophysical Research Communications, Volume 323, Issue 4, 29 October 2004, Pages 1163-1171	Heat-induced oligomerization of gp96 occurs via a site distinct from substrate binding and is regulated by ATP	Custom Peptides	VSV8 (RGYVYQGL) and VSV19 (SLSDLRGYVYQGLKSGNVS)
2004	Trujillo JD	J. Virol., Sep 2004; 78: 9190 - 9202	Glycosylation of Immunodominant Linear Epitopes in the Carboxy-Terminal Region of the Caprine Arthritis-Encephalitis Virus Surface Envelope Enhances Vaccine-Induced Type-Specific and Cross-Reactive Neutralizing Antibody Responses	Custom Peptides	SU 4 peptides
2004	Tsai C-Y	International Immunopharmacology, Volume 4, Issue 1, January 2004, Pages 47-56	Proinflammatory cytokines enhance COX-1 gene expression in cultured rat glomerular mesangial cells	Custom Peptides	COX-1, COX-2
2004	Tse YC	PLANT CELL, Mar 2004; 16: 672 - 693	Identification of Multivesicular Bodies as Prevacuolar Compartments in Nicotiana tabacum BY-2 Cells	Custom Peptides	synthetic peptide BP-80 CT
2004	Turk MJ	J. Exp. Med., Sep 2004; 200: 771 - 782	Concomitant Tumor Immunity to a Poorly Immunogenic Melanoma Is Prevented by Regulatory T Cells	Custom Peptides	gp100/pmel 17 peptide gp10025-33
2004	Veitch GI	J. Cell Sci., Jun 2004; 117: 2699 - 2707	Selective assembly of connexin37 into heterocellular gap junctions at the oocyte/granulosa cell interface	Custom Peptide Antibodies	anti-Cx37 polyclonal antibodies ,polyclonal (CT-360),monoclonal (P4G9 E3),
2004	Verghese GM	Am. J. Respir. Cell Mol. Biol., Apr 2004; 30: 519 - 529	Mouse Prostasin Gene Structure, Promoter Analysis, and Restricted Expression in Lung and Kidney	Custom Peptide Antibodies	mProstasin cDNA
2004	Vianna de Carvalho Uhl M	Vaccine, Volume 22, Issues 31-32, 22 October 2004, Pages 4191-4202	Suitability of a recombinant Staphylococcus aureus enterotoxin C bovine variant for immunodiagnostics and therapeutic vaccine development	miscl	
2004	Vidovic D	Immunobiology, Volume 209, Issue 7, 9 November 2004, Pages 535-544	Tumor immunotherapy with alternative reading frame peptide antigens	Custom Peptides	
2004	Wang Q-L	Hum. Mol. Genet., May 2004; 13: 1025 - 1040	QRX, a novel homeobox gene, modulates photoreceptor gene expression	Custom Oligo/DNA	QRX cDNA
2004	Wei Z-J	Journal of Insect Physiology, Volume 50, Issue 12, December 2004, Pages 1151-1161	Molecular cloning, developmental expression, and tissue distribution of the gene encoding DH, PBAN and other FXPRL neuropeptides in Samia cynthia ricini	Custom Peptides	H.armigera PBANamide
2004	Williams AL	Mol. Biol. Cell, Jan 2004; 15: 162 - 175	rsly1 Binding to Syntaxin 5 Is Required for Endoplasmic Reticulum-to-Golgi Transport but Does Not Promote SNARE Motif Accessibility	Custom Peptides	liquid chromatography-purified synthetic peptides with the sequences MSCRDRTQEFLSACKSLQSRQNGIQTNK and MSCRDRAQEALSACKSLQSRQNGIQTNK
2004	Wu J	Circulation, Apr 2004; 109: 1660 - 1667	PR39 Inhibits Apoptosis in Hypoxic Endothelial Cells: Role of Inhibitor Apoptosis Protein-2	Custom Peptides	PR39 peptide

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2004	Xie J	PNAS, Jul 2004; 101: 10750 - 10755.	Absence of a reductase, NCB5OR, causes insulin-deficient diabetes	Custom Peptide Antibodies	Western blot
2004	Xu G	J. Cell Sci., Jul 2004; 117: 3207 - 3219	Continuous association of cadherin with ß-catenin requires the non-receptor tyrosine-kinase Fer	Custom Peptides	antibody NCD-2,Antibodies conjugated,Anti-pan-cadherin ,Polyclonal anti-Fer antibody ,Anti-ß-catenin antibodies ,polyclonal anti-peptide antibody ,Anti-phosphotyrosine (PY20), anti-p120ctn and anti-PTP1B ,Anti-PTP1B ,anti-GST antibody,Horseradish-peroxidase ,conjugated secondary antibodies
2004	Yang Z	Biochemical and Biophysical Research Communications, Volume 325, Issue 2, 10 December 2004, Pages 518-524	A novel hIL-6 antagonist peptide from computer-aided design contributes to suppression of apoptosis in M1 cells	Custom Peptides	antagonist peptide PT
2004	Yee KO	Am. J. Pathol., Aug 2004; 165: 541 - 552	Expression of the Type-1 Repeats of Thrombospondin-1 Inhibits Tumor Growth Through Activation of Transforming Growth Factor-ß	Custom Peptides	SLLK control peptide or the LSKL peptide
2004	Zhang T-Y	Journal of Insect Physiology, Volume 50, Issue 1, January 2004, Pages 25-33	Cloning and expression of the cDNA encoding the FXPRL family of peptides and a functional analysis of their effect on breaking pupal diapause in Helicoverpa armigera	Custom Peptides	amidated DH-like, PBAN, aSGNP, bSGNP, gSGNP, free C-terminal DH-like
2004	Zhang X	J. Biol. Chem., Dec 2004; 279: 55626 - 55632	Identification of a Novel Serum Response Factor Cofactor in Cardiac Gene Regulation	Custom Peptide Antibodies	p49/STRAP antibody
2004	Zhao J-Y	Regulatory Peptides, Volume 118, Issues 1-2, 15 April 2004, Pages 25-31	Functional analysis of the SGNP I in the pupal diapause of the oriental tobacco budworm, Helicoverpa assulta (Lepidoptera: Noctuidae)	Custom Peptides	Has-SGNP I, free acid C-terminus
2004	Zheng H	J. Immunol., Nov 2004; 173: 5929 - 5933	Cutting Edge: Cross-Presentation of Cell-Associated Antigens to MHC Class I Molecule Is Regulated by a Major Transcription Factor for Heat Shock Proteins	Custom Peptides	Mouse embryonic fibroblast (MEF), reagents ADK14NP
2004	Zhu H	J. Biol. Chem., Jul 2004; 279: 30316 - 30325	NCB5OR Is a Novel Soluble NAD(P)H Reductase Localized in the Endoplasmic Reticulum	Custom Peptide Antibodies	NCB5OR,goat anti-rabbit IgG
2004	Zubkov S	PNAS, Mar 2004; 101: 3821 - 3826	Structural basis for the function of a minimembrane protein subunit of yeast oligosaccharyltransferase	Custom Peptides	Ost4p peptide
2004	Zurita AJ	Cancer Res., Jan 2004; 64: 435 - 439	Combinatorial Screenings in Patients: The Interleukin-11 Receptor as a Candidate Target in the Progression of Human Prostate Cancer	Custom Peptides	Soluble CGRRAGGSC-GG-D(KLAKLAK)2, CGRRAGGSC, and D(KLAKLAK)2 peptides, control peptide CKGGRAKDC-GG-D(KLAKLAK)2
2005	Aklujkar M	J. Bacteriol., Feb 2005; 187: 1334 - 1343	The PuhB Protein of Rhodobacter capsulatus Functions in Photosynthetic Reaction Center Assembly with a Secondary Effect on Light-Harvesting Complex 1	Custom Peptides	Peptides SMFDKPFDYENGSKFC(NH2)-(KLH) and (KLH)-LPERAHQAPSPYTTEV-(COO) (34
2005	Andrali SS	Biochemical and Biophysical Research Communications, Volume 337, Issue 1, 11 November 2005, Pages 149-153	Ataxin-10 interacts with O-GlcNAc transferase OGT in pancreatic β cells	Custom Peptides	OGT; Ataxin-10

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2005	Auchtung JM	PNAS, Aug 2005; 102: 12554 - 12559	Regulation of a Bacillus subtilis mobile genetic element by intercellular signaling and the global DNA damage response	Custom Peptides	PhrI pentapeptide
2005	Barbas D	Journal of Neurochemistry, Volume 96, Issue 2: 414-427. doi: 10.1111/j.1471-4159.2005.03561.x	An aplysia dopamine1-like receptor: molecular and functional characterization	miscl	
2005	Bender AT	PNAS, Jan 2005; 102: 497 - 502	Selective up-regulation of PDE1B2 upon monocyte-to-macrophage differentiation	miscl	antigen. These residues are common to both PDE1B1 and PDE1B2 variants. PDE1B1- and PDE1B2-specific antisera were produced by Genemed Synthesis (South San Francisco, CA). Peptides corresponding to portions of the unique N termini of PDE1B1 and PDE1B2 were synthesized
2005	Castro M	PNAS, Nov 2005; 102: 16084 - 16089	Turn-on switch in parathyroid hormone receptor by a two-step parathyroid hormone binding mechanism	Custom Oligo/DNA	pcDNA3, , Peptides. Human PTH(1-34), radioligand [125I]-[Nle-8,21, Tyr-34]-human PTH(1-34)-OH (2,200 Ci/mmol), Human [Lys-13(N-5-carboxy-TMR)]PTH(1-34)NH2 [herein termed PTH(1-34)TMR]
2005	Chakravarti R	Mol. Biol. Cell, Aug 2005; 16: 3678 - 3691	Functional Role of Syndecan-1 Cytoplasmic V Region in Lamellipodial Spreading, Actin Bundling, and Cell Migration	Custom Peptides	TAT peptides
2005	Chen Y	J. Neurosci., Jan 2005; 25: 507 - 513	Specific Modulation of Na+ Channels in Hippocampal Neurons by Protein Kinase C	miscl	peptide PKC translocation (EAVSLKPT, PKC-I) and scrambled peptide (LSETKPAV
2005	Chigurupati S	Cancer Res., Sep 2005; 65: 8519 - 8529.	Calcitonin Stimulates Multiple Stages of Angiogenesis by Directly Acting on Endothelial Cells	Custom Oligo/DNA	CT-pcDNA3.1,calcitonin cDNA
2005	Chin YR	J. Virol., Nov 2005; 79: 13606 - 13617	Mechanism for Removal of Tumor Necrosis Factor Receptor 1 from the Cell Surface by the Adenovirus RID /ß Complex	Custom Peptide Antibodies	RIDß antibody
2005	Cruz-Garcia F	The Plant Journal, Volume 42, Issue 3: 295-304. doi: 10.1111/j.1365-313X.2005.02375.x	Stylar glycoproteins bind to S-RNase in vitro	Custom Peptides	MAP conjugates
2005	Daniel D	Cancer Res., Mar 2005; 65: 2018 - 2025	CD4+ T Cell-Mediated Antigen-Specific Immunotherapy in a Mouse Model of Cervical Cancer	Custom Peptides	peptides E7 p44-63, E7 p18-38 (23), and Tag p362-384
2005	Dieker JW	Journal of Immunological Methods, Volume 296, Issues 1-2, January 2005, Pages 83-93	Mimotopes for lupus-derived anti-DNA and nucleosome-specific autoantibodies selected from random peptide phage display libraries: facts and follies	Custom Peptide Antibodies	
2005	Dong X-N	Immunology Letters, Volume 101, Issue 1, 15 October 2005, Pages 81-86	The neutralizing epitope ELDKWA on HIV-1 gp41: Genetic variability and antigenicity	Custom Peptides	
2005	Dong X-N	Vaccine, Volume 23, Issue 28, 25 May 2005, Pages 3630-3633	Candidate multi-peptide-vaccine against classical swine fever virus induced potent immunity with serological marker	Custom Peptides	Five overlapped peptides (Fig. 1) from unit B/C (aa693–777) on glycoprotein E2 of CSFV strain Shimen (Sequence number in GenBank: AF092448) were commercially synthesised in Genemed Synthesis Inc

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2005	Douglas JL	Antimicrob. Agents Chemother., Jun 2005; 49: 2460 - 2466	Small Molecules VP-14637 and JNJ-2408068 Inhibit Respiratory Syncytial Virus Fusion by Similar Mechanisms	Custom Peptides	peptide T-118
2005	Ellis NMJ	J. Immunol., Oct 2005; 175: 5448 - 5456	T Cell Mimicry and Epitope Specificity of Cross-Reactive T Cell Clones from Rheumatic Heart Disease	Custom Peptides	Synthetic peptides, Antigens Streptococcal recombinant M6 protein (rM6) ,
2005	Feng Y-H	Hypertension, Aug 2005; 46: 419 - 425	Unconventional Homologous Internalization of the Angiotensin II Type-1 Receptor Induced by G-Protein–Independent Signals	Custom Peptides	Sar1Ang II peptide
2005	Feng Y-H	Mol. Pharmacol., Aug 2005; 68: 347 - 355	Single Mutations at Asn295 and Leu305 in the Cytoplasmic Half of Transmembrane -Helix Domain 7 of the AT1 Receptor Induce Promiscuous Agonist Specificity for Angiotensin II Fragments: A Pseudo-Constitutive Activity	Custom Peptides	Ang II peptide
2005	Ferrao-Gonzales AD	J. Biol. Chem., Oct 2005; 280: 34747 - 34754	Controlling -Amyloid Oligomerization by the Use of Naphthalene Sulfonates: TRAPPING LOW MOLECULAR WEIGHT OLIGOMERIC SPECIES	Custom Peptides	peptide Synthetic A beta-1-42 ,A beta-13-23
2005	Golabek AA	J. Biol. Chem., Mar 2005; 280: 7550 - 7561	Glycosaminoglycans Modulate Activation, Activity, and Stability of Tripeptidyl-peptidase I in Vitro and in Vivo	Custom Peptide Antibodies	peptide MOCAc-Gly-Lys-Pro-Ile-Pro-Phe-Arg-Leu-Lys-(Dnp)-r-NH2
2005	Goldberg SM	Clin. Cancer Res., Nov 2005; 11: 8114 - 8121	Comparison of Two Cancer Vaccines Targeting Tyrosinase: Plasmid DNA and Recombinant Alphavirus Replicon Particles	Custom Peptides	Human tyrosinase cDNA ,Mouse tyrosinase peptides , Anti-pep7 rabbit polyclonal anti-mouse tyrosinase antibody
2005	Gong J-P	Neuroscience, Volume 132, Issue 3, 2005, Pages 713-727	Mouse brain localization of the protein kinase C-enhanced phosphatase 1 inhibitor KEPI (Kinase C-Enhanced PP1 Inhibitor)	Custom Peptides	15-amino-acid peptide with sequence HQQGKVTVKYDRKEL that corresponded to residues 66–80 of mKEPI protein
2005	Habibian R	J. Biol. Chem., Nov 2005; 280: 39637 - 39643	Functional Analysis of Conserved Polar Residues in Vc-NhaD, Na+/H+ Antiporter of Vibrio cholerae	Custom Peptide Antibodies	Vc-NhaD peptide
2005	Han G	J. Immunol., Apr 2005; 174: 4516 - 4524	Active Tolerance Induction and Prevention of Autoimmune Diabetes by Immunogene Therapy Using Recombinant Adenoassociated Virus Expressing Glutamic Acid Decarboxylase 65 Peptide GAD500–585 J. Immunol., Apr 2005; 174: 4516 - 4524	Custom Peptides	Ag GAD peptides
2005	Herring D	Neuropharmacology, Volume 48, Issue 2, February 2005, Pages 181-194	PKC modulation of GABAA receptor endocytosis and function is inhibited by mutation of a dileucine motif within the receptor β2 subunit	Custom Peptides	dileucine (ENILLSSTLEI) and control dialanine (ENIAASSTLEI) peptides
2005	Hou F	Mol. Biol. Cell, Aug 2005; 16: 3908 - 3918	Two Human Orthologues of Eco1/Ctf7 Acetyltransferases Are Both Required for Proper Sister-Chromatid Cohesion	Custom Peptide Antibodies	EFO1 and EFO2 peptides
2005	Hsu L-J	Biochemical and Biophysical Research Communications, Volume 327, Issue 2, 11 February 2005, Pages 415-423	Cloning and characterization of a small-size peptide Zfra that regulates the cytotoxic function of tumor necrosis factor by interacting with JNK1	Custom Peptides	Zfra peptide

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2005	Hsu P-H	Geochimica et Cosmochimica Acta, Volume 69, Issue 18, 15 September 2005, Pages 4521-4533	New evidence for covalent coupling of peptides to humic acids based on 2D NMR spectroscopy: A means for preservation	Custom Peptides	N-labeled peptide with the sequence GGGR and with the three glycines N-labeled
2005	Hu J	J. Biol. Chem., May 2005; 280: 18943 - 18949.	Structural Characterization of a Novel Cbl Phosphotyrosine Recognition Motif in the APS Family of Adapter Proteins	pp	APS pTyr-618 Phosphopeptides
2005	Hutchinson LM	Clinical Biochemistry, Volume 38, Issue 6, June 2005, Pages 558-571	Development of a sensitive and specific enzyme-linked immunosorbent assay for thymosin β15, a urinary biomarker of human prostate cancer	Custom Peptides	Tb4, Tb15, Tb16
2005	Jaimes MC	J. Virol., Apr 2005; 79: 4568 - 4579	Characterization of Homologous and Heterologous Rotavirus-Specific T-Cell Responses in Infant and Adult Mice	Custom Peptides	10-mers Peptide
2005	Jaseja M	Journal of Peptide Research, Volume 66, Issue 1: 9-18. doi: 10.1111/j.1399-3011.2005.00267.x	Structure–function studies of the functional and binding epitope of the human 37 kDa laminin receptor precursor protein	Custom Peptides	KGAHSVGLMWWMLAR (pepG15_hu) and RGKHSIGLIWYLLAR (pepG15_sa)
2005	Jeon S	J. Neurochem. 95, 1608-1616	Microtubule affinity-regulating kinase 1 (MARK1) is activated by electroconvulsive shock in the rat hippocampus	Cap	MARK polyclonal antibodies were produced in rabbits against a MARK C-terminal peptide (KNIASKIANELKL) (Genemed Synthesis, South San Francisco, CA, USA), which corresponded to the rat MARK sequence from amino acids 781–793 (referred to as a-MARK) and the N-terminal of rat MARK1 (referred to as a-MARK1).
2005	Kim A-R	Protein Expression and Purification, Volume 40, Issue 1, March 2005, Pages 107-117	Two methods for large-scale purification of recombinant human choline acetyltransferase	miscl	ChAT
2005	Kim BH	Microbiology, Jan 2005; 151: 209 - 218	The formation of cyclopropane fatty acids in Salmonella enterica serovar Typhimurium	miscl	restriction enzymes, T4 ligase and Taq polymerase
2005	Kim TS	J. Biol. Chem., Mar 2005; 280: 8694 - 8704	Delayed Dark Adaptation in 11-cis-Retinol Dehydrogenase-deficient Mice: A ROLE OF RDH11 IN VISUAL PROCESSES IN VIVO	Custom Peptide Antibodies	mouse rdh11 cDNA , anti-RDH11 polyclonal antibody , goat anti-rabbit IgG conjugated to horseradish peroxidase
2005	Kim WJ	Journal of Controlled Release, Volume 106, Issues 1-2, 18 August 2005, Pages 224-234	Soluble Flt-1 gene delivery using PEI-g-PEG-RGD conjugate for anti-angiogenesis	miscl	RGD peptide
2005	Ko J-A	FEBS Letters, Volume 579, Issue 10, 11 April 2005, Pages 2236-2242	Requirement of the transmembrane semaphorin Sema4C for myogenic differentiation	Custom Peptides	recombinant proteins were then purified with the use of glutathione–Sepharose beads (Amersham, Piscataway, NJ). Peptides were synthesized by Genemed Synthesis
2005	Koga Y	J. Biol. Chem., Feb 2005; 280: 4983 - 4991	p116Rip Decreases Myosin II Phosphorylation by Activating Myosin Light Chain Phosphatase and by Inactivating RhoA	Custom Peptide Antibodies	Mouse anti-MLC20 IgM monoclonal antibody,Rabbit anti-MYPT1 polyclonal antibody
2005	Kohm AP	J. Immunol., Apr 2005; 174: 4525 - 4534	Treatment with Nonmitogenic Anti-CD3 Monoclonal Antibody Induces CD4+ T Cell Unresponsiveness and Functional Reversal of Established Experimental Autoimmune Encephalomyelitis	miscl	anti-CD3 Ab , anti-CD3 (eBioscience), NM-IgG3 (20), and/or NM-F(ab')2 (Bio Express)

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2005	Konkel ME	Molecular Microbiology, Volume 57, Issue 4: 1022-1035. doi: 10.1111/j.1365-2958.2005.04744.x	Identification of a fibronectin-binding domain within the Campylobacter jejuni CadF protein	miscl	The CadF peptides were synthesized on a semi-manual peptide synthesizer using standard fluorenylmethoxycarbonyl chemistry (Genemed Synthesis,
2005	Kuang W-F	Biochemical and Biophysical Research Communications, Volume 331, Issue 4, 17 June 2005, Pages 1554-1559	Mutational and inhibitive analysis of SARS coronavirus 3C-like protease by fluorescence resonance energy transfer-based assays	Custom Peptides	1NC; 2NC
2005	Larabee JL	Archives of Biochemistry and Biophysics, Volume 434, Issue 1, 1 February 2005, Pages 139-149	Cys redox reactions and metal binding of a Cys2His2 zinc finger	Custom Peptides	KKFACPECPKRFMSDHLSKHIKTHQNKK,
2005	Lee K-W	J. Biol. Chem., Apr 2005; 280: 16942 - 16948	Rapid Apoptosis Induction by IGFBP-3 Involves an Insulin-like Growth Factor-independent Nucleomitochondrial Translocation of RXR /Nur77	Custom Peptide Antibodies	polyclonal rabbit anti-Nur77 antibody
2005	Lee L-F	PNAS, Nov 2005; 102: 15995 - 16000	The role of TNF- in the pathogenesis of type 1 diabetes in the nonobese diabetic mouse: Analysis of dendritic cell maturation	Custom Peptides	Peptides D2O and SDS-D25
2005	Lei MG	Infect. Immun., Dec 2005; 73: 8136 - 8143	Regulation of Cellular Caveolin-1 Protein Expression in Murine Macrophages by Microbial Products	Custom Peptide Antibodies	TLR4 Antibodies
2005	Leong W-I	Am. J. Clinical Nutrition, Feb 2005; 81: 445 - 453	Iron transporters in rat mammary gland: effects of different stages of lactation and maternal iron status	Custom Peptides	DMT1 and FPN1 antibodies
2005	Li C	J. Exp. Med., Oct 2005; 202: 975 - 986	Lysophosphatidic acid inhibits cholera toxin-induced secretory diarrhea through CFTR-dependent protein interactions	Custom Peptide Antibodies	R1104 monoclonal mouse antibody , NBD-R polyclonal rabbit antibodyAnti-LPA2 antibody (rabbit-2143), Anti-Flag mAb
2005	Li FCH	Mol. Pharmacol., Jul 2005; 68: 179 - 192.	In the Rostral Ventrolateral Medulla, the 70-kDa Heat Shock Protein (HSP70), but Not HSP90, Confers Neuroprotection against Fatal Endotoxemia via Augmentation of Nitric-Oxide Synthase I (NOS I)/Protein Kinase G Signaling Pathway and Inhibition of NOS II/Peroxynitrite Cascade	Custom Oligo/DNA	horseradish peroxidase-conjugated sheep anti-mouse IgG , anti-rabbit IgG normal mouse serum, mouse monoclonal antiserum
2005	Liberman Z	J. Biol. Chem., Feb 2005; 280: 4422 - 4428	Serine 332 Phosphorylation of Insulin Receptor Substrate-1 by Glycogen Synthase Kinase-3 Attenuates Insulin Signaling	Custom Peptides	IRS-1 Peptide
2005	Lin MY	J. Immunol., May 2005; 174: 5583 - 5592	A Pivotal Role for the Multifunctional Calcium/Calmodulin-Dependent Protein Kinase II in T Cells: From Activation to Unresponsiveness	Custom Oligo/DNA	pcr cdna
2005	Liu A	Archives of Biochemistry and Biophysics, Volume 443, Issues 1-2, 15 November 2005, Pages 101-112	Role of lysine residues in membrane anchoring of saposin C	Custom Peptides	saposin peptide
2005	Liu H-Y	J. Biol. Chem., May 2005; 280: 19461 - 19471	Human Tumorous Imaginal Disc 1 (TID1) Associates with Trk Receptor Tyrosine Kinases and Regulates Neurite Outgrowth in nnr5-TrkA Cells	Custom Peptide Antibodies	anti-TID1N antibody
2005	Liu Z	Immunology Letters, Volume 97, Issue 1, 15 February 2005, Pages 41-45	Predefined spacers between epitopes on a recombinant epitope-peptide impacted epitope-specific antibody response	Custom Peptides	ELDKWA epitope peptide P1

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2005	Mao T	Plant Physiology, Jun 2005; 138: 654 - 662	Two Microtubule-Associated Proteins of the Arabidopsis MAP65 Family Function Differently on Microtubules	Custom Oligo/DNA	AtMAP65-6 cDNA
2005	Mason RD	J. Virol., May 2005; 79: 5529 - 5536	Cross-Reactive Cytotoxic T Lymphocytes against Human Immunodeficiency Virus Type 1 Protease and Gamma Interferon-Inducible Protein 30	Custom Peptides	Peptide-specific CTL
2005	Meulendyke KA	J. Virol., Oct 2005; 79: 12643 - 12649	Endocytosis Plays a Critical Role in Proteolytic Processing of the Hendra Virus Fusion Protein	Custom Peptide Antibodies	Peptides anti-Stk33
2005	Misra UM	J. Immunol., Feb 2005; 174: 2092 - 2097	The Role of MTJ-1 in Cell Surface Translocation of GRP78, a Receptor for 2-Macroglobulin-Dependent Signaling	Custom Peptides	Polyclonal Abs , Anti-actin Abs,
2005	Mohamed HA	J. Biol. Chem., Jul 2005; 280: 27035 - 27043	cAMP-response Elements in Aplysia creb1, creb2, and Ap-uch Promoters: IMPLICATIONS FOR FEEDBACK LOOPS MODULATING LONG TERM MEMORY	Custom Peptide Antibodies	CREB1-Rabbit polyclonal antibodies
2005	Mujica AO	FEBS J., Oct 2005; 272: 4884 - 4898.	Differential expression pattern of the novel serine/threonine kinase, STK33, in mice and men	Custom Oligo/DNA	STK33/Stk33-DNA ,Stk33-peptide ,
2005	Mujica AO	FEBS Journal, Volume 272, Issue 19: 4884-4898. doi: 10.1111/j.1742-4658.2005.04900.x	Differential expression pattern of the novel serine/threonine kinase, STK33, in mice and men	Custom Peptides	. Peptide synthesis and rabbit immunization were performed by Genemed Synthesis (San Francisco, CA, USA).
2005	Naryzhny SN	J. Biol. Chem., Apr 2005; 280: 13888 - 13894.	Proliferating Cell Nuclear Antigen (PCNA) May Function as a Double Homotrimer Complex in the Mammalian Cell	Plasmids	plasmid pEGFPCNA , pT7hPCNA, pEGFPCNAL2PCNA Double Trimer Formation-Peptides
2005	Navaratnam D	Biophys. J., Nov 2005; 89: 3345 - 3352	N-Terminal-Mediated Homomultimerization of Prestin, the Outer Hair Cell Motor Protein	Custom Peptides	Affinity-purified rabbit polyclonal antibodies
2005	Niland B	J. Immunol., Dec 2005; 175: 8365 - 8378	CD8+ T Cell-Mediated HLA-A*0201-Restricted Cytotoxicity to Transaldolase Peptide 168–176 in Patients with Multiple Sclerosis	Custom Peptides	TAL peptides
2005	Nussbaum AK	J. Immunol., Jul 2005; 175: 1153 - 1160	Immunoproteasome-Deficient Mice Mount Largely Normal CD8+ T Cell Responses to Lymphocytic Choriomeningitis Virus Infection and DNA Vaccination	Custom Peptides	LCMV NP205 peptide
2005	Omiyi D	J. Pharmacol. Exp. Ther., Aug 2005; 314: 542 - 551	Protein Kinase C II Peptide Inhibitor Exerts Cardioprotective Effects in Rat Cardiac Ischemia/Reperfusion Injury	Custom Peptides	PKC betaII peptide
2005	Onorato TM	J. Biol. Chem., May 2005; 280: 19527 - 19534	Phosphorylation of Rat Liver Mitochondrial Glycerol-3-phosphate Acyltransferase by Casein Kinase 2	Custom Peptide Antibodies	antibody IM1GAT
2005	Palomba ML	Clin. Cancer Res., Jan 2005; 11: 370 - 379	CD8+ T-Cell–Dependent Immunity Following Xenogeneic DNA Immunization against CD20 in a Tumor Challenge Model of B-Cell Lymphoma	Custom Peptides	CD20 cDNA
2005	Pascual R	J. Virol., Apr 2005; 79: 5142 - 5152	A Peptide Pertaining to the Loop Segment of Human Immunodeficiency Virus gp41 Binds and Interacts with Model Biomembranes: Implications for the	Custom Peptides	HIVHXB2R Peptides

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			Fusion Mechanism		
2005	Phillipson A	Am J Physiol Heart Circ Physiol, Aug 2005; 289: H898 - H907	Protein kinase C- inhibition exerts cardioprotective effects in ischemia-reperfusion injury	Custom Peptides	PKC-z peptide
2005	Qu Y	Circulation, Jun 2005; 111: 3034 - 3041	Novel Molecular Mechanism Involving 1D (Cav1.3) L-Type Calcium Channel in Autoimmune-Associated Sinus Bradycardia	Custom Oligo/DNA	Anti-Ro/La antibodies , anti-alpha 1D antibody, human alpha 1D, rat ß2a, and alpha 2 delta cDNAs
2005	Qu Y	Am J Physiol Heart Circ Physiol, May 2005; 288: H2123 - H2130	Localization and modulation of 1D (Cav1.3) L-type Ca channel by protein kinase A	Custom Oligo/DNA	PCR cDNA
2005	Quitsch A	J. Neurosci., Jan 2005; 25: 479 - 487	Postsynaptic Shank Antagonizes Dendrite Branching Induced by the Leucine-Rich Repeat Protein Densin-180	Custom Peptides	.....synapse-associated protein-associated protein (SAPAP) (sequence IYIPEAQTRL) and delta-catenin (HYPASPDSWV) were obtained from Genemed Synthesis (San Francisco, CA). The peptides were coupled to N-hydroxyl-succinimidyl (NHS)-activated Sepharose (Amersham Biosciences.....
2005	Raikwar HP	Journal of Neuroimmunology, Volume 167, Issues 1-2, October 2005, Pages 99-107	PPARγ antagonists exacerbate neural antigen-specific Th1 response and experimental allergic encephalomyelitis	Custom Peptides	MOGp35-55
2005	Ribeiro FM	Journal of Neurochemistry, Volume 94, Issue 1: 86-96. doi: 10.1111/j.1471-4159.2005.03171.x	Constitutive high-affinity choline transporter endocytosis is determined by a carboxyl-terminal tail dileucine motif	Custom Peptide Antibodies	polyclonal rabbit antibody anti-CHT1
2005	Roggero CM	Developmental Biology, Volume 285, Issue 2, 15 September 2005, Pages 422-435	Protein kinase C-mediated phosphorylation of the two polybasic regions of synaptotagmin VI regulates their function in acrosomal exocytosis	Custom Peptides	RRLKKKKTTIKKNTL
2005	Rotllant J	Endocrinology, Jan 2005; 146: 71 - 76	Stimulation of Cortisol Release by the N Terminus of Teleost Parathyroid Hormone-Related Protein in Interrenal Cells in Vitro	Custom Peptides	Piscine (1–34)PTHrP, (2–34)PTHrP, (3–34)PTHrP, (7–34)PTHrP, (10–20)PTHrP, (79–93)PTHrP, and (100–125)PTHrP , Human (1–39)ACTH, corticotropin-inhibiting peptide (CIP),
2005	Russ M	Journal of Immunological Methods, Volume 304, Issues 1-2, September 2005, Pages 100-106	Photo-activated affinity-site cross-linking of antibodies using tryptophan containing peptides	Custom Peptides	K-A-A-G-W containing a biotin molecule on the alpha amino group (single biotin–peptide) and KA-A-K-G-E-A-K-A-A-G-W containing biotin molecules on the alpha and epsilon amino groups of lysine (multiple biotin–peptide).
2005	Saeki N	J. Biol. Chem., Mar 2005; 280: 10128 - 10134	BIG1 Is a Binding Partner of Myosin IXb and Regulates Its Rho-GTPase Activating Protein Activity	Custom Peptide Antibodies	anti-myosin IXb and anti-BIG1 antibodies, Vectors pBTM-116 and pGAD-424 and yeast strain L40 ,Anti-FLAG M2 affinity gel , BIG1 cDNA
2005	Sainz B	J. Virol., Jun 2005; 79: 7195 - 7206	Identification and Characterization of the Putative Fusion Peptide of the Severe Acute Respiratory Syndrome-Associated Coronavirus Spike Protein	Custom Peptides	SARS-CoV Peptides
2005	Sanchez-Merino V	J. Immunol., Nov 2005; 175: 6976 - 6986	HIV-1-Specific CD8+ T Cell Responses and Viral Evolution in Women and Infants	Custom Peptides	anti-IFN- gamma mAb QIAamp DNA minikit , Biotest ABC SSPtray

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2005	Sebollela A	J. Biol. Chem., Sep 2005; 280: 31949 - 31956	Heparin-binding Sites in Granulocyte-Macrophage Colony-stimulating Factor: LOCALIZATION AND REGULATION BY HISTIDINE IONIZATION	cp dna	mGM-CSF cDNA
2005	Shiau C-W	Cancer Res., Feb 2005; 65: 1561 - 1569	Thiazolidenediones Mediate Apoptosis in Prostate Cancer Cells in Part through Inhibition of Bcl-xL/Bcl-2 Functions Independently of PPAR	Custom Peptides	Bcl-xL Peptides
2005	Shih S-C	Experimental and Molecular Pathology, Volume 79, Issue 1, August 2005, Pages 14-22	Quantitative multi-gene transcriptional profiling using real-time PCR with a master template	miscl	
2005	Smith CE	PNAS, Jul 2005; 102: 9595 - 9600	Differential induction of IgE-mediated anaphylaxis after soluble vs. cell-bound tolerogenic peptide therapy of autoimmune encephalomyelitis	Custom Peptides	MOG)35-55,MOG92-106,OVA323-339
2005	Solovjeva L	Mol. Biol. Cell, May 2005; 16: 2518 - 2528	High Mobility of Flap Endonuclease 1 and DNA Polymerase Associated with Replication Foci in Mammalian S-Phase Nucleus	Custom Peptides	peptide N-CLTFGS(PO4)PVLMRHLTA-C
2005	Staska LM	Infect. Immun., Mar 2005; 73: 1321 - 1329	Identification of Vaccine Candidate Peptides in the NcSRS2 Surface Protein of Neospora caninum by Using CD4+ Cytotoxic T Lymphocytes and Gamma Interferon-Secreting T Lymphocytes of Infected Holstein Cattle	Custom Peptides	NcSRS2 peptides
2005	Straathof KC	J. Immunol., Sep 2005; 175: 4137 - 4147	Characterization of Latent Membrane Protein 2 Specificity in CTL Lines from Patients with EBV-Positive Nasopharyngeal Carcinoma and Lymphoma	Custom Peptides	LMP2 peptides,
2005	Straathof KCM	Blood, Mar 2005; 105: 1898 - 1904	Treatment of nasopharyngeal carcinoma with Epstein-Barr virus–specific T lymphocytes	Custom Peptides	Peptides LMP1, HLA-A2: YLQQNWWTL, YLLEMLWRL, LMP2, HLA-A2, HLA-A2–restricted cytomegalovirus pp65–derived peptide NLVPMVATV
2005	Subklewe M	Human Immunology, Volume 66, Issue 9, September 2005, Pages 938-949	Dendritic Cells Expand Epstein Barr Virus Specific CD8+ T Cell Responses More Efficiently Than EBV Transformed B Cells	Custom Peptides	synthetic peptides FLRGRAYGL (HLA-B8/ EBNA3A325-333), CLGGLLTMV (HLA-A2/LMP2a426-434) and RPPIFIRRL (HLA-B7/EBNA3a379-387)
2005	Sun J-S	General and Comparative Endocrinology, Volume 141, Issue 1, March 2005, Pages 48-57	Developmental expression of FXPRLamide neuropeptides in peptidergic neurosecretory cells of diapause- and nondiapause-destined individuals of the cotton bollworm, Helicoverpa armigera	Custom Peptides	Har-DH
2005	Tai H-Y	Allergy, Volume 61, Issue 3: 382-388. doi: 10.1111/j.1398-9995.2005.00958.x	Pen ch 13 allergen induces secretion of mediators and degradation of occludin protein of human lung epithelial cells	Custom Peptides	synthetic peptide, Occl-1, with sequence covering the second extracellular loop of the human occluding (18) (residues 198–215, NPTAQSSGSLYGSQIYAL)
2005	Thelin WR	J. Biol. Chem., Dec 2005; 280: 41512 - 41520	The Cystic Fibrosis Transmembrane Conductance Regulator Is Regulated by a Direct Interaction with the Protein Phosphatase 2A	Custom Peptides	CFTR peptides
2005	Thompson BE	Development, Aug 2005; 132: 3471 - 3481	Dose-dependent control of proliferation and sperm specification by FOG-1/CPEB	Custom Peptide Antibodies	FOG-1 antibodies
2005	Tim Tian M	Blood, Sep 2005; 106: 2105 - 2112	Bcl10 can promote survival of antigen-stimulated B lymphocytes	Custom Peptides	Bcl10 cDNAs , NF-alpha B-inhibiting peptide (DRQIKIWFQNRRMKWKKTALDWSWLQTE)goat anti-mouse immunoglobulin M (IgM; µ-chain-specific), c-Jun N-terminal

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					kinases (JNKs), p38 mitogen-activated protein (MAP) kinase, and p44/42 extracellular signal-regulated kinase (Erk) MAP kinase
2005	Toka FN	Virology, Volume 331, Issue 1, 5 January 2005, Pages 151-158	Rescue of memory CD8+ T cell reactivity in peptide/TLR9 ligand immunization by codelivery of cytokines or CD40 ligation	Custom Peptides	MHC class-I-restricted HSV-1 gB498–505 (SSIEFARL)
2005	Vasudevan SA	Biochemical and Biophysical Research Communications, Volume 330, Issue 2, 6 May 2005, Pages 511-518	MKP-8, a novel MAPK phosphatase that inhibits p38 kinase,	Custom Peptides	anti-MKP-8
2005	Wada Y	FASEB J, Sep 2005; doi:10.1096/fj.05-4037fje	Preconditioning of primary human endothelial cells with inflammatory mediators alters the "set point" of the cell	Custom Oligo/DNA	Primers were designed using the Primer Express oligo design software (Applied BioSystems, Foster City, CA) and synthesized by Genemed Synthesis (South San Francisco, CA). All primer sets were subjected to rigorous database searches to identify potential conflicting.....
2005	Wang G	Protein Sci., Apr 2005; 14: 1082 - 1090	NMR characterization of the Escherichia coli nitrogen regulatory protein IIANtr in solution and interaction with its partner protein, NPr	Custom Peptides	.....are as follows: the synthetic peptide with a sequence corresponding to the first 15 residues of enzyme IIAGlc (95% pure from Genemed Synthesis, Inc.), 1 mM in water at pH 5.4; HPr, 1 mM at pH 7.1; NPr, 1 mM at pH ~7; IIANtr, 1 mM at pH 7.3; the N-terminal.....
2005	Wang I-C	Mol. Cell. Biol., Dec 2005; 25: 10875 - 10894	Forkhead Box M1 Regulates the Transcriptional Network of Genes Essential for Mitotic Progression and Genes Encoding the SCF (Skp2-Cks1) Ubiquitin Ligase	Custom Peptide Antibodies	anti-FoxM1 antibody
2005	Weaver JGR	J. Clin. Invest., Jul 2005; 115: 1828 - 1838	Inhibition of adenine nucleotide translocator pore function and protection against apoptosis in vivo by an HIV protease inhibitor	Custom Peptides	Vpr-derived peptide
2005	Weller GER	Cancer Res., Jan 2005; 65: 533 - 539	Ultrasonic Imaging of Tumor Angiogenesis Using Contrast Microbubbles Targeted via the Tumor-Binding Peptide Arginine-Arginine-Leucine	Custom Peptides	RRL Peptide
2005	Xiao R	J. Biol. Chem., Jun 2005; 280: 21099 - 21106	Catalysis of Thiol/Disulfide Exchange: GLUTAREDOXIN 1 AND PROTEIN-DISULFIDE ISOMERASE USE DIFFERENT MECHANISMS TO ENHANCE OXIDASE AND REDUCTASE ACTIVITIES	Custom Peptides	GSSG, NADPH, cCMP, and glutathione reductase , peptide NRCSQGSCWN, with the N- and C-terminal groups
2005	Xie F	Evid. Based Complement. Altern. Med., Sep 2005; 2: 353 - 361	The osteoprotective effect of Herba epimedii (HEP) extract in vivo and in vitro	Custom Oligo/DNA	.....One microliter of total cDNA was amplified in each PCR reaction mixture containing 0.5 muM of sense and antisense primers (Genemed Synthesis, Inc., South San Francisco, CA, USA) of selected genes (Table 1). The PCR reaction mixture (in a total volume of.....
2005	Xie X-Q	J. Biol. Chem., Feb 2005; 280: 3605 - 3612.	NMR Structural Comparison of the Cytoplasmic Juxtamembrane Domains of G-protein-coupled CB1 and CB2 Receptors in Membrane Mimetic Dodecylphosphocholine Micelles	Custom Peptides	peptides, CB1I397-G418 ,CB2I298-K319
2005	Xu KY	FASEB J, Jan 2005; 19: 53 - 61.	Evidence that the H1-H2 domain of 1 subunit of (Na++K+)-ATPase participates in the regulation of cardiac contraction	cap	anti-NKA 3 (MA3-915) antibodies ,anti-NKA 2 antibody

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2005	Yamagishi H	FEMS Microbiology Letters, Volume 244, Issue 1, 1 March 2005, Pages 207-212	Saliva affects the antifungal activity of exogenously added histatin 3 towards Candida albicans	Custom Peptides	Histatin 3
2005	Yamagishi H	FEMS Microbiology Letters, Volume 244, Issue 1: 207-212. doi: 10.1016/j.femsle.2005.01.045	Saliva affects the antifungal activity of exogenously added histatin 3 towards Candida albicans	Custom Peptides	Histatin 3 (Asp-Ser-His-Ala-Lys-Arg-His-His-Gly-Tyr-Lys-Arg-Lys-Phe-His-Glu-Lys-His-His-Ser-His-Arg-Gly-Tyr-Arg-Ser-Asn-Tyr-Leu-Tyr-Asp-Asn)
2005	Yang L	Blood, Jul 2005; 106: 584 - 592	ICAM-1 regulates neutrophil adhesion and transcellular migration of TNF- -activated vascular endothelium under flow	Custom Peptides	ICAM-1 Peptides
2005	Yang M-H	Immunology, Volume 115, Issue 2: 279-286. doi: 10.1111/j.1365-2567.2005.02139.x	Identification of T-cell epitopes on U1A protein in MRL/lpr mice: double-negative T cells are the major responsive cells	Custom Peptides	These series of peptides, OVA323–339 and the histidine TAG control peptides (32 amino acids) were synthesized and purified by high-performance liquid chromatography (HPLC) by the Genemed Synthesis Company
2005	Yang Z	Molecular Immunology, Volume 42, Issue 9, May 2005, Pages 1015-1021	Structure-based design and characterization of a Novel IL-6 antagonist peptide	miscl	
2005	Yoon H-G	Mol. Cell. Biol., Jan 2005; 25: 324 - 335.	Reading and Function of a Histone Code Involved in Targeting Corepressor Complexes for Repression	Custom Peptides	GST-TBL1 Peptides
2005	Yu H	Human Immunology, Volume 66, Issue 5, May 2005, Pages 483-493	Identification of CD8+ T-Cell Epitopes Specific for Immediate-Early Transactivator Rta of Epstein-Barr Virus	miscl	
2005	Yu HX	Tissue Antigens, Volume 65, Issue 6: 539-543. doi: 10.1111/j.1399-0039.2005.00403.x	A11 Tetramer-assisted characterization of Rta-specific CD8+ T-cell responses in healthy virus carriers	Custom Peptides	
2005	Yu L	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1716, Issue 1, 1 October 2005, Pages 29-39	Investigation of a novel artificial antimicrobial peptide by fluorescence correlation spectroscopy: An amphipathic cationic pattern is sufficient for selective binding to bacterial type membranes and antimicrobial activity	Custom Peptides	V4-TMR
2005	Yuan R	Molecular and Cellular Endocrinology, Volume 229, Issues 1-2, 14 January 2005, Pages 193-203	Targeted overexpression of calcitonin in gonadotrophs of transgenic mice leads to chronic hypoprolactinemia	Custom Oligo/DNA	PCR primers
2005	Zhang G	Tsinghua Science & Technology, Volume 10, Issue 4, August 2005, Pages 512-516	Monoclonal Antibodies Recognizing HIV-1 gp41 Could Inhibit Env-Mediated Syncytium Formation	cp, cab	
2005	Zhang G	Immunobiology, Volume 210, Issue 9, 15 November 2005, Pages 639-645	Neutralization of HIV-1 primary isolate by ELDKWA-specific murine monoclonal antibodies	Custom Peptides	ELDKWA-epitope-peptide P1; CP
2005	Zhang X	Virology, Volume 337, Issue 1, 20 June 2005, Pages 162-174	Hsp72 recognizes a P binding motif in the measles virus N protein C-terminus	Custom Peptides	
2005	Zou P	International Immunopharmacology, Volume 5, Issue 4, April 2005, Pages 631-635	The epitope recognized by a monoclonal antibody in influenza A virus M2 protein is immunogenic and confers immune protection	Custom Peptide Antibodies	M2e; residues of M2e

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2006	Ramirez-Montagut T	J. Immunol., Jun 2006; 176: 6434 - 6442	Glucocorticoid-Induced TNF Receptor Family Related Gene Activation Overcomes Tolerance/Ignorance to Melanoma Differentiation Antigens and Enhances Antitumor Immunity	Custom Peptides	Peptides and ELISPOT Peptides
2006	Ahmed ZM	J. Neurosci., Jun 2006; 26: 7022 - 7034	The Tip-Link Antigen, a Protein Associated with the Transduction Complex of Sensory Hair Cells, Is Protocadherin-15	Custom Oligo/DNA	Antibodies. Mouse mAb G19 , Full-length mouse Pcdh15 poly(A)+ RNA
2006	Bai X-F	Cancer Res., Aug 2006; 66: 8241 - 8249.	Different Lineages of P1A-Expressing Cancer Cells Use Divergent Modes of Immune Evasion for T-Cell Adoptive Therapy	Custom Peptides	mutant P1A peptides
2006	Baroudi G	Am J Physiol Heart Circ Physiol, Oct 2006; 291: H1614 - H1622	Protein kinase C activation inhibits Cav1.3 calcium channel at NH2-terminal serine 81 phosphorylation site	Custom Peptides	peptides N-MATAAPPPVGALAQRKRQQYAKAKKQ GNAANARPA-C
2006	Basha S	PNAS, Sep 2006; 103: 13509 - 13513	Polyvalent inhibitors of anthrax toxin that target host receptors	Custom Peptides	.....scattering confirmed the presence of vesicles (radius, 51 4 nm). Peptides identified by phage display were synthesized by Genemed Synthesis (South San Francisco, CA). These peptides were acetylated at their N termini and amidated at the C termini and had.....
2006	Bennett RJ	Molecular Microbiology, Volume 62, Issue 1: 100-119. doi: 10.1111/j.1365-2958.2006.05367.x	The role of nutrient regulation and the Gpa2 protein in the mating pheromone response of C. albicans	Custom Peptides	MF13 (GFRLTNFGYFEPG) and MF14 (GFRLTNFGYFEPG)
2006	Bergamin E	Structure, Volume 14, Issue 8, August 2006, Pages 1285-1292	Structural Basis for Phosphotyrosine Recognition by Suppressor of Cytokine Signaling-3	Custom Peptides	An11 residue phosphopeptide representing murine gp130 pTyr757 site
2006	Botten J	J. Virol., Sep 2006; 80: 8351 - 8361.	Identification of Protective Lassa Virus Epitopes That Are Restricted by HLA-A2	Custom Peptides	HLA-A*0201-restricted peptide
2006	Branham MT	J. Biol. Chem., Mar 2006; 281: 8656 - 8666.	Calcium-induced Acrosomal Exocytosis Requires cAMP Acting through a Protein Kinase A-independent, Epac-mediated Pathway	Custom Peptide Antibodies	Epac peptide, Specific rabbit polyclonal antibodies,rabbit polyclonal anti-Rab3A (purified IgG), rabbit polyclonal anti-NSF , Horseradish peroxidase-conjugated goat anti-rabbit-IgG (Fc fragment-specific) , TRITC-conjugated goat anti-rabbit IgG ,
2006	Brann JH	J. Exp. Biol., May 2006; 209: 1914 - 1927	Vomeronasal sensory neurons from Sternotherus odoratus (stinkpot/musk turtle) respond to chemosignals via the phospholipase C system	Custom Peptides	TRPC2 and IP3R3 with the peptide sequence GSAGEGERVSYRLRVIK-ALVQRYIETARRE (905–934 mTRPC2)
2006	Brown AG	Peptides, Volume 27, Issue 7, July 2006, Pages 1794-1800	A hemoglobin fragment found in cervicovaginal fluid from women in labor potentiates the action of agents that promote contraction of smooth muscle cells	miscl	
2006	Buscaglia CA	J. Biol. Chem., Jan 2006; 281: 1324 - 1331	Characterization of an Aldolase-binding Site in the Wiskott-Aldrich Syndrome Protein	Custom Peptide Antibodies	Antibodies—Goat anti-rabbit aldolase and rabbit anti-Bloom Syndrome Protein , Rabbit anti-actin antibody , Rabbit antibodies anti-human neural WASp (N-WASp), WASp, and p34 , WASp cDNA
2006	Butowt R	Molecular and Cellular Neuroscience, Volume 31, Issue 1, January 2006, Pages 97-108	Anterograde axonal transport of the exogenous cellular isoform of prion protein in the chick visual system	miscl	
2006	Canario AVM	FEBS Letters, Volume 580, Issue 1, 9 January 2006, Pages 291-299	Novel bioactive parathyroid hormone and related peptides in teleost fish	Custom Peptides	puffer fish PTH/PTHrP(1-34)

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2006	Chang AYW	J. Physiol., Jul 2006; 574: 547 - 564.	Heat shock protein 60 in rostral ventrolateral medulla reduces cardiovascular fatality during endotoxaemia in the rat	Custom Oligo/DNA	NCBI database, and oligonucleotides were synthesized by Genemed Biotechnologies (Taipei, Taiwan). The primer pairs for...NCBI database, and oligonucleotides were synthesized by Genemed Biotechnologies (Taipei, Taiwan). The primer pairs for.....
2006	Chaurasia P	J. Biol. Chem., May 2006; 281: 14852 - 14863	A Region in Urokinase Plasminogen Receptor Domain III Controlling a Functional Association with 5 1 Integrin and Tumor Growth	Custom Peptide Antibodies	Rabbit anti-uPAR polyclonal antibody , rabbit anti-laminin antibody, anti- alpha 5 bita1 antibody (HA5),rabbit anti integrin alpha5,alpha 3 polyclonal antibodies , Anti-mouse IgG monoclonal antibody conjugated with horseradish peroxidase (HRP),
2006	Chavan M	PNAS, Jun 2006; 103: 8947 - 8952	Dimeric organization of the yeast oligosaccharyl transferase complex	Custom Oligo/DNA	Triple Master DNA polymerase , T4 DNA ligase and shrimp alkaline phosphatase , Anti-HA mAb HA.II , Anti-Myc and anti-HA polyclonal antisera , Horseradish peroxidase (HRP)-labeled anti-rabbit IgG , Anti-FLAG (M2) affinity gel, affinity-purified monoclonal anti-FLAG antibody, and 3XFLAG peptide
2006	Chen Q	J. Biol. Chem., Oct 2006; 281: 31152 - 31163	The Amino Terminus of the Human Multidrug Resistance Transporter ABCC1 Has a U-shaped Folding with a Gating Function	Custom Peptides	anti-FLAG monoclonal antibody, peroxidase- and fluorescein isothiocyanate-conjugated goat anti-mouse IgG , Monoclonal antibodies QCRL-1 and MRPr1, monoclonal anti-HA antibody
2006	Cheng H	Cell, Volume 127, Issue 7, 29 December 2006, Pages 1389-1400	Human mRNA Export Machinery Recruited to the 5′ End of mRNA	Custom Peptide Antibodies	Rabbit antibodies to human CBP80, eIF4A3, and Y14 were raised against the peptides MSRRRHSDENDGGQPHKRR, ATSGSARKRL LKEED, and DESIHKLKEKAKKRKGRGFGSE,
2006	Chin YR	J. Gen. Virol., Nov 2006; 87: 3161 - 3167	Adenovirus RID complex enhances degradation of internalized tumour necrosis factor receptor 1 without affecting its rate of endocytosis	Custom Peptide Antibodies	anti-RIDb antibody,mouse anti-TNFR1 antibody
2006	Cui J	Cancer Res., Oct 2006; 66: 10024 - 10031	c-Jun NH2-Terminal Kinase 22 Promotes the Tumorigenicity of Human Glioblastoma Cells	Custom Peptides	c-Jun NH2-Terminal Kinase 2 2 ,JNK22 and JNK2ß2 mRNAs
2006	Davis PH	Molecular and Biochemical Parasitology, Volume 145, Issue 1, January 2006, Pages 111-116	Identification of a family of BspA like surface proteins of Entamoeba histolytica with novel leucine rich repeats	Custom Peptides	The derived amino acid sequence of EhLRRP1 was used to identify three potentially immunogenic peptides (TLLKSITIPSSISIKL (76-91); IEIPKNLKTINGKKIEKKDIN (334-354); FDGCPNELKKNEVLRKIYYKDD (531-552)) to produce EhLRRP1-specific rabbit antisera (Genemed Synthesis
2006	Delgado-Lopez F	J. Virol., Jul 2006; 80: 6378 - 6386	Adenovirus RID ß Complex Inhibits Lipopolysaccharide Signaling without Altering TLR4 Cell Surface Expression	Custom Peptide Antibodies	Anti-phosphoserine-536-p65 and anti-phospho-p38 , Horseradish peroxidase-conjugated anti-rabbit and anti-mouse immunoglobulin G , mouse anti-TNFR1Polyclonal antibody for RIDß , Polyclonal antibodies against TNFR1, TLR4, FAS, IB, phospho-c-Jun, and ß-tubulin
2006	Dixon SJ	Biochimica et Biophysica Acta (BBA) - Molecular Cell Research, Volume 1763, Issue 4, April 2006, Pages 366-380	Trk receptor binding and neurotrophin/fibroblast growth factor (FGF)-dependent activation of the FGF receptor substrate (FRS)-3	Custom Peptides	anti-Trk; anti-ERS3
2006	Dong X-N	Vaccine, Volume 24, Issue 19, 8 May 2006, Pages 4029-4034	Spying the neutralizing epitopes on E2 N-terminal by candidate epitope-vaccines against classical swine fever virus	Custom Peptides	BC1a, BC1b, BC1c, BC1d

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2006	Dong X-N	Vaccine, Volume 24, Issue 11, 10 March 2006, Pages 1906-1913	Candidate peptide-vaccines induced immunity against CSFV and identified sequential neutralizing determinants in antigenic domain A of glycoprotein E2	Custom Peptides	
2006	Dong X-N	Vaccine, Volume 24, Issue 4, 23 January 2006, Pages 426-434	Candidate peptide-vaccine induced potent protection against CSFV and identified a principal sequential neutralizing determinant on E2	Custom Peptides	Five overlapping peptides covering amino acids 693–777 (unit B/C) on glycoprotein E2 of CSFV strain Shimen
2006	Ettinger RA	J. Immunol., Feb 2006; 176: 1988 - 1998	Allelic Variation in Key Peptide-Binding Pockets Discriminates between Closely Related Diabetes-Protective and Diabetes-Susceptible HLA-DQB1*06 Alleles	Custom Peptides	Applied Biosystems 432 Peptide
2006	Evel-Kabler K	J. Clin. Invest., Jan 2006; 116: 90 - 100	SOCS1 restricts dendritic cells' ability to break self tolerance and induce antitumor immunity by regulating IL-12 production and signaling	Custom Peptides	peptides, TRP2,TRP2a,TRP2b, H2-Kb-restricted peptide
2006	Feng J	Biochimie, Volume 88, Issue 9, September 2006, Pages 1265-1273	The rational designed antagonist derived from the complex structure of interleukin-6 and its receptor affectively blocking interleukin-6 might be a promising treatment in multiple myeloma	miscl	
2006	Fife BT	J. Exp. Med., Nov 2006; 203: 2737 - 2747	Insulin-induced remission in new-onset NOD mice is maintained by the PD-1–PD-L1 pathway	Custom Peptides	1040-p31 peptide
2006	Fife BT	J. Clin. Invest., Aug 2006; 116: 2252 - 2261	Inhibition of T cell activation and autoimmune diabetes using a B cell surface–linked CTLA-4 agonist	Custom Peptides	Antigens. DNP-OVA and DNP–keyhole limpet hemocyanin (DNP-KLH)
2006	Fu Y-G	Cancer Letters, Volume 243, Issue 2, 18 November 2006, Pages 246-254	Inhibition of gastric cancer cells associated angiogenesis by 15d-prostaglandin J2 through the downregulation of angiopoietin-1	Custom Oligo/DNA	cDNA
2006	Fuentes J	Am J Physiol Regulatory Integrative Comp Physiol, Nov 2006; 291: R1499 - R1506.	Parathyroid hormone-related protein regulates intestinal calcium transport in sea bream (Sparus auratus)	Custom Peptides	PTHrP 1-34 peptides
2006	Gomez-Nunez M	Leukemia Research, Volume 30, Issue 10, October 2006, Pages 1293-1298	Peptide binding motif predictive algorithms correspond with experimental binding of leukemia vaccine candidate peptides to HLA-A*0201 molecules	Custom Peptides	
2006	Gonzalez-Gronow M	Cancer Res., Dec 2006; 66: 11424 - 11431	Prostate Cancer Cell Proliferation In vitro Is Modulated by Antibodies against Glucose-Regulated Protein 78 Isolated from Patient Serum	Custom Peptides	peptides GRP78
2006	Grzesiak JJ	Peptides, Volume 27, Issue 7, July 2006, Pages 1898-1901	Identification of DU 145 prostate cancer cell proteins that bind to the carboxy-terminal peptide of human PTHrP in vitro	Custom Peptides	PTHrP(140-173)
2006	Guevara-Patino JA	J. Clin. Invest., May 2006; 116: 1382 - 1390	Optimization of a self antigen for presentation of multiple epitopes in cancer immunity	Custom Peptide Antibodies	Antibodies anti-CD8 mAb 53.6-72 (rat IgG), anti-CD4 mAb (Gk1.5) and anti-NK mAb (PK136), Tyrp1 peptides ,Tyrp1 cDNA
2006	Halm ST	Am J Physiol Cell Physiol, Oct 2006; 291: C636 - C648	Distinct K+ conductive pathways are required for Cl– and K+ secretion across distal colonic epithelium	Custom Peptides	48 h at 4C (20). A peptide was generated with the identical sequence employed to produce antiserum IK38/6 (GGELVTGLGALRRRK; Genemed Synthesis, South San Francisco, CA), dissolved in water (0.6 mM), and used in controls of nonspecific interactions of antiserum.....

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2006	Hanft LM	PNAS, Apr 2006; 103: 5385 - 5390.	Cytoplasmic -actin contributes to a compensatory remodeling response in dystrophin-deficient muscle	Custom Peptide Antibodies	Antibodies. pAbs ,mAbs , mouse Igs , Alexa Fluor 488 anti-mouse, Alexa Fluor 568 anti-rabbit Igs, and Alexa Fluor 568-conjugated phalloidin
2006	Hill JK	J. Neurosci., Sep 2006; 26: 9944 - 9955.	Vestibular Hair Bundles Control pH with (Na+, K+)/H+ Exchangers NHE6 and NHE9	Custom Peptide Antibodies	NHE6 and NHE9
2006	Hoenig M	Domestic Animal Endocrinology, Volume 30, Issue 1, January 2006, Pages 28-37	Cloning, expression and purification of feline proinsulin	Custom Peptides	The sequence of the newly designed 5' primer was: 5'-CTC CAT ATG TTC GTT AAC CAG CAC CTG-3'; the sequence of the newly designed 3' primer was: 5'-GCG GGA TCC CTA GTT GCA GTA GTG TTC CAG-
2006	Hsu P-H	Organic Geochemistry, Volume 37, Issue 12, December 2006, Pages 1694-1704	Covalent coupling of peptides to humic acids: Structural effects investigated using 2D NMR spectroscopy	Custom Peptides	Two N-labeled peptides with the sequence SFFFYYS, with the three phenylalanines labeled, and SLLLVIS, with the three leucines labeled,
2006	Hu J	Journal of Molecular Biology, Volume 361, Issue 1, 4 August 2006, Pages 69-79	Structural Basis for Phosphotyrosine Recognition by the Src Homology-2 Domains of the Adapter Proteins SH2-B and APS	Custom Peptides	An 11-residue phosphopeptide representing the murine Jak2 pTyr813 site, TPDpYELLTEND
2006	Hu S-Y	Aquaculture, Volume 260, Issues 1-4, 29 September 2006, Pages 61-68	Structure and function of antimicrobial peptide penaeidin-5 from the black tiger shrimp Penaeus monodon	Custom Peptides	cecropin A, cecropin B, magainin-II, penaeidin-5
2006	Huang L-R	PNAS, Nov 2006; 103: 17862 - 17867	An immunocompetent mouse model for the tolerance of human chronic hepatitis B virus infection	Custom Peptides	rHBcAg peptide, synthetic peptide, HBcAg 129-140
2006	Ilouz R	J. Biol. Chem., Oct 2006; 281: 30621 - 30630	Identification of Novel Glycogen Synthase Kinase-3 Substrate-interacting Residues Suggests a Common Mechanism for Substrate Recognition	Custom Peptides	anti GSK-3,nti-phospho-GSK-3 (Tyr216) , anti-phospho-CREB (Ser133) antibodies CREB antibody, anti-phospho--catenin, or -catenin antibody
2006	Jr	Virus Research, Volume 120, Issues 1-2, September 2006, Pages 146-155	Inhibition of severe acute respiratory syndrome-associated coronavirus (SARS-CoV) infectivity by peptides analogous to the viral spike protein	miscl	N-alpha-9 flourenylmethyloxycarbonyl
2006	Kaidanovich-Beilin O	J. Pharmacol. Exp. Ther., Jan 2006; 316: 17 - 24	Long-Term Treatment with Novel Glycogen Synthase Kinase-3 Inhibitor Improves Glucose Homeostasis in ob/ob Mice: Molecular Characterization in Liver and Muscle	Custom Peptides	biotin-conjugated peptide bio-L803-mts
2006	Kale AY	Brain Research Bulletin, Volume 70, Issue 3, 31 July 2006, Pages 240-244	Effects of acute and chronic insulin-induced hypoglycemia on type II glucocorticoid receptor (GR) gene expression in characterized CNS metabolic loci	miscl	
2006	Kalman K	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1758, Issue 8, August 2006, Pages 1094-1099	AQP0-LTR of the CatFr mouse alters water permeability and calcium regulation of wild type AQP0	miscl	
2006	Kan-Mitchel J	J. Immunol., Jun 2006; 176: 6690 - 6701	Degeneracy and Repertoire of the Human HIV-1 Gag p1777–85 CTL Response	Custom Peptides	IMGT Peptides
2006	Kelleher SL	J. Nutr., May 2006; 136: 1185 - 1191	Zinc Supplementation Reduces Iron Absorption through Age-Dependent Changes in Small Intestine Iron Transporter Expression in Suckling Rat Pups	Custom Peptides	hemocyanin-conjugated peptides

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2006	Kim WJ	Journal of Controlled Release, Volume 114, Issue 3, 12 September 2006, Pages 381-388	Anti-angiogenic inhibition of tumor growth by systemic delivery of PEI-g-PEG-RGD/pCMV-sFlt-1 complexes in tumor-bearing mice	Custom Peptides	RGD peptide
2006	Kirschner AN	J. Virol., Oct 2006; 80: 9444 - 9454.	Soluble Epstein-Barr Virus Glycoproteins gH, gL, and gp42 Form a 1:1:1 Stable Complex That Acts Like Soluble gp42 in B-Cell Fusion but Not in Epithelial Cell Fusion	Custom Peptides	Synthetic peptide gp42-36-65, 19-mer peptide (YKTKYLINSARLLETSMVD)
2006	Kuo Y-M	J. Nutr., Jan 2006; 136: 21 - 26.	BIOCHEMICAL, MOLECULAR, AND GENETIC MECHANISMS: Copper Transport Protein (Ctr1) Levels in Mice Are Tissue Specific and Dependent on Copper Status	Custom Peptides	antibody CTR1
2006	Li O	Scandinavian Journal of Immunology, Volume 64, Issue 2: 117-124. doi: 10.1111/j.1365-3083.2006.01783.x	CD62L is Required for the Priming of Encephalitogenic T Cells but does not Play a Major Role in the Effector Phase of Experimental Autoimmune Encephalomyelitis	Custom Peptides	Myelin oligodendrocyte glycoprotein (MOG) peptide 35-55 (MEVGWYRSPFSRVVHLYRNGK)
2006	Li X	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1758, Issue 9, September 2006, Pages 1203-1214	NMR studies of aurein 1.2 analogs	miscl	
2006	Li XS	J. Biol. Chem., Aug 2006; 281: 22453 - 22463	Candida albicans Cell Wall Ssa Proteins Bind and Facilitate Import of Salivary Histatin 5 Required for Toxicity	Custom Oligo/DNA	SSA1 and SSA2 cDNA
2006	Li Y	J. Biol. Chem., Nov 2006; 281: 34048 - 34055	Biochemical, Molecular, and Functional Characterization of PISCF-Allatostatin, a Regulator of Juvenile Hormone Biosynthesis in the Mosquito Aedes aegypti	cab dna	Ae-AS-C cDNA
2006	Li Y	Neuron, Volume 51, Issue 6, 21 September 2006, Pages 755-771	Modulation of Inactivation Properties of CaV2.2 Channels by 14-3-3 Proteins	Custom Peptides	anti-pS2126
2006	Li Y	Protein Expression and Purification, Volume 47, Issue 2, June 2006, Pages 498-505	Cloning, expression, isotope labeling, and purification of human antimicrobial peptide LL-37 in Escherichia coli for NMR studies	Custom Peptides	LL-37
2006	Liao M	J. Virol., Oct 2006; 80: 9599 - 9607	Site-Directed Antibodies against the Stem Region Reveal Low pH-Induced Conformational Changes of the Semliki Forest Virus Fusion Protein	Custom Peptides	peptides stem1 and stem2,stem3 and stem4 peptides
2006	Liu Y	J. Biol. Chem., Nov 2006; 281: 34768 - 34774	Dimerization of Laforin Is Required for Its Optimal Phosphatase Activity, Regulation of GSK3 Phosphorylation, and Wnt Signaling	Custom Peptide Antibodies	Epm2a cDNA
2006	Ma A-H	Cancer Res., Sep 2006; 66: 8439 - 8447	Male Germ Cell–Associated Kinase, a Male-Specific Kinase Regulated by Androgen, Is a Coactivator of Androgen Receptor in Prostate Cancer Cells	Custom Peptide Antibodies	MAK rabbit polyclonal antibody
2006	Magadan JG	Mol. Cell. Biol., Apr 2006; 26: 2595 - 2614	Rab22a Regulates the Sorting of Transferrin to Recycling Endosomes	Custom Peptides	anti-human TfnR antibody,anti-EEA1
2006	Maia LF	J. Biol. Chem., Sep 2006; 281: 29278 - 29286	Structure of a Membrane-binding Domain from a Non-enveloped Animal Virus: INSIGHTS INTO THE MECHANISM OF MEMBRANE PERMEABILITY AND CELLULAR ENTRY	Custom Peptides	synthetic gamma1-peptide

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2006	Majid AM	J. Virol., Jul 2006; 80: 6993 - 7008	Evaluating Replication-Defective Vesicular Stomatitis Virus as a Vaccine Vehicle	Custom Peptides	mouse anti-E2 monoclonal antibody (MAb) H33 , anti-E2 MAb, H52., MAb to E1, A4, Human anti-E2 MAbs CBH-7 and CBH-8C , Polyclonal rabbit anti-E2 , Mouse core MAb , Peptides- core (aa 133 to 142), E1 (aa 315 to 322), and E2 (aa 570 to 584)HCV (genotype 1b) CTL peptides
2006	Miao GB	Journal of Clinical Investigation, Volume 36, Issue 9: 614-620. doi: 10.1111/j.1365-2362.2006.01705.x	Autoantibody against β1-adrenergic receptor and left ventricular remodeling changes in response to metoprolol treatment European	Custom Peptides	
2006	Michael IP	J. Biol. Chem., May 2006; 281: 12743 - 12750	Human Tissue Kallikrein 5 Is a Member of a Proteolytic Cascade Pathway Involved in Seminal Clot Liquefaction and Potentially in Prostate Cancer Progression	Custom Peptides	synthetic heptapeptides N-Ile-Gln-Ser-Arg-Ile-Val-Gly-C, N-Ile-Leu-Ser-Arg-Ile-Val-Gly-C, N-Ser-Cys-Ser-Gln-Ile-Ile-Asn-C, N-Ser-Ser-Ser-Arg-Ile-Ile-Asn-C, N-Glu-Gln-Asn-Lys-Leu-Val-His-C, N-Gln-Gly-Asp-Lys-Ile-Ile-Asp-C, N-Gln-Glu-Asp-Lys-Val-Leu-Gly-C, N-Asp-Thr-Arg-Ala-Ile-Gly-C, N-Asn-Asp-Thr-Arg-Leu-Asp-Pro-C, N-Glu-Thr-Arg-Ile-Ile-Lys-C, N-Ala-Thr-Pro-Lys-Ile-Phe-Asn-C, N-Glu-Ser-Ser-Lys-Val-Leu-Asn-C, N-Asp-Glu-Asn-Lys-Ile-Ile-Gly-C, and N-Asp-Gly-Asp-Lys-Leu-Leu-Glu-C
2006	Misra UK	J. Biol. Chem., May 2006; 281: 13694 - 13707.	Activation and Cross-talk between Akt, NF- B, and Unfolded Protein Response Signaling in 1-LN Prostate Cancer Cells Consequent to Ligation of Cell Surface-associated GRP78	Custom Peptides	Anti-GRP78 antibodies and glyceraldehyde-3-phosphate dehydrogenase antibodies,Control substrate peptide Zak3tide and glutathione S-transferase-IalphaB- alpha substrate
2006	Misri S	Experimental Eye Research, Volume 83, Issue 5, November 2006, Pages 1287-1294	KCC isoforms in a human lens epithelial cell line (B3) and lens tissue extracts	miscl	
2006	Munks MW	J. Immunol., Jul 2006; 177: 450 - 458.	Four Distinct Patterns of Memory CD8 T Cell Responses to Chronic Murine Cytomegalovirus Infection	Custom Peptides	8-mer, 9-mer and 10-mer peptides
2006	Munks MW	J. Immunol., Mar 2006; 176: 3760 - 3766	Genome-Wide Analysis Reveals a Highly Diverse CD8 T Cell Response to Murine Cytomegalovirus	Custom Peptides	8-, 9-, and 10-mer peptides
2006	Naccache SN	PNAS, Aug 2006; 103: 12735 - 12740	Binding of internalized receptors to the PDZ domain of GIPC/synectin recruits myosin VI to endocytic vesicles	Custom Peptides	50 muM peptide
2006	Nowis D	Experimental Cell Research, Volume 312, Issue 15, 10 September 2006, Pages 2921-2932	Destabilization of the VCP-Ufd1-Npl4 complex is associated with decreased levels of ERAD substrates	miscl	Polyclonal sera against human Ufd1, Npl4 and derlin-1 proteins were custom-raised in rabbits after immunization with respective N-terminal peptides
2006	Park K	Biochemical and Biophysical Research Communications, Volume 347, Issue 4, 8 September 2006, Pages 941-948	Expression and characterization of constitutively active human caspase-14	miscl	
2006	Pasquet S	J. Biol. Chem., Nov 2006; 281: 34406 - 34420	Transcription Enhancer Factor-1-dependent Expression of the -Tropomyosin Gene in the Three Muscle Cell Types	Custom Peptide Antibodies	TEF-1 antibody
2006	Phillips-Mason PJ	J. Biol. Chem., Feb 2006; 281: 4903 - 4910	The Receptor Protein-tyrosine Phosphatase PTPμ Interacts with IQGAP1	Custom Peptide Antibodies	Polyclonal antibodies IQGAP1,ERK2,phospho-p44/42 MAPK ,Antibodies calmodulin

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2006	Pochet S	Mol. Pharmacol., Jun 2006; 69: 2037 - 2046.	Modulation by LL-37 of the Responses of Salivary Glands to Purinergic Agonists	Custom Peptides	peptides LL-37
2006	Qin W	Journal of Biotechnology, Volume 125, Issue 1, 20 August 2006, Pages 57-63	De novo design TNF-α antagonistic peptide based on the complex structure of TNF-α with its neutralizing monoclonal antibody Z12	Custom Peptides	de novo designed antagonized peptide; control peptide
2006	Qin W	Molecular Immunology, Volume 43, Issue 6, February 2006, Pages 660-666	Fusion protein of CDR mimetic peptide with Fc inhibit TNF-α induced cytotoxicity	Custom Peptides	PT (YINTGYDGLYYNSMD); randomized peptide
2006	Qu S	Endocrinology, Dec 2006; 147: 5641 - 5652	Aberrant Forkhead Box O1 Function Is Associated with Impaired Hepatic Metabolism	Custom Peptide Antibodies	antibody FoxO1,Rabbit anti-GK antibody
2006	Raikwar HP	Journal of Neuroimmunology, Volume 178, Issues 1-2, September 2006, Pages 76-86	PPARγ antagonists reverse the inhibition of neural antigen-specific Th1 response and experimental allergic encephalomyelitis by Ciglitazone and 15-Deoxy-Δ12,14-Prostaglandin J2	Custom Peptides	21 amino acid peptide corresponding to mouse MOGp35-55
2006	Rocnik EF	J. Biol. Chem., Aug 2006; 281: 22855 - 22864.	The Novel SPARC Family Member SMOC-2 Potentiates Angiogenic Growth Factor Activity	Custom Peptide Antibodies	Antibody SMOC-2
2006	Sakai T	Peptides, Volume 27, Issue 9, September 2006, Pages 2157-2164	Nutrient-induced α-amylase and protease activity is regulated by crustacean cardioactive peptide (CCAP) in the cockroach midgut	Custom Peptide Antibodies	rabbit anti-CCAP
2006	Sasaki T	Mol. Cell. Biol., Feb 2006; 26: 1051 - 1062	The Chinese Hamster Dihydrofolate Reductase Replication Origin Decision Point Follows Activation of Transcription and Suppresses Initiation of Replication within Transcription Units	Custom Oligo/DNA	DHFR cDNA
2006	Savoldo B	Blood, Nov 2006; 108: 2942 - 2949	Treatment of solid organ transplant recipients with autologous Epstein Barr virus–specific cytotoxic T lymphocytes (CTLs)	Custom Peptides	either Martin Campbell (Synthetic Antigen Laboratory, The University of Texas M. D. Anderson Cancer Center, Houston, TX) or Genemed Synthesis (South San Francisco, CA). In this paper, the peptides are referred to by the first 3 amino acids as underlined.....
2006	Saxena SK	Biochemical and Biophysical Research Communications, Volume 340, Issue 2, 10 February 2006, Pages 726-733	Rab4 GTP/GDP modulates amiloride-sensitive sodium channel (ENaC) function in colonic epithelia	miscl	ENaC
2006	Schowalter RM	J. Virol., Nov 2006; 80: 10931 - 10941	Characterization of Human Metapneumovirus F Protein-Promoted Membrane Fusion: Critical Roles for Proteolytic Processing and Low pH	cap cab	Antipeptide antibodies HMPV F
2006	Shao H	Experimental Eye Research, Volume 82, Issue 2, February 2006, Pages 323-331	Severe chronic experimental autoimmune uveitis (EAU) of the C57BL/6 mouse induced by adoptive transfer of IRBP1–20-specific T cells	Custom Peptides	IRBP202-210; IRBP1177-1191; IRBP161-180
2006	Shen Y	J. Neurosci., Oct 2006; 26: 10690 - 10699	Alternative Splicing of the CaV1.3 Channel IQ Domain, a Molecular Switch for Ca2+-Dependent Inactivation within Auditory Hair Cells	Custom Peptides	synthetic peptide (GNSRSGKSKAWWGNTLRRTPRSPYRRD...peptide)
2006	Shiau C-W	J. Biol. Chem., Apr 2006; 281: 11819 - 11825.	-Tocopheryl Succinate Induces Apoptosis in Prostate Cancer Cells in Part through Inhibition of Bcl-xL/Bcl-2 Function	Custom Peptides	Flu-BakBH3, a Bak-BH3 peptide

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2006	Siddiqi SA	J. Cell Sci., Mar 2006; 119: 943 - 950	Vesicle-associated membrane protein 7 is expressed in intestinal ER	Custom Peptide Antibodies	rat VAMP7
2006	Simpson GIC	J. Biol. Chem., May 2006; 281: 14615 - 14621	Identification of the Key Residues Responsible for the Assembly of Selenodeiodinases	Custom Peptides	Synthetic oligonucleotides , Synthetic peptides , iodothyronines,
2006	Small TW	Circ. Res., Dec 2006; 99: 1338 - 1346	Wilms' Tumor 1–Associating Protein Regulates the Proliferation of Vascular Smooth Muscle Cells	Custom Peptide Antibodies	WTAP antibody
2006	Spiess C	Molecular Cell, Volume 24, Issue 1, 6 October 2006, Pages 25-37	Identification of the TRiC/CCT Substrate Binding Sites Uncovers the Function of Subunit Diversity in Eukaryotic Chaperonins	miscl	Box2-C; Box1(AA)
2006	Stanfield RL	J. Virol., Jun 2006; 80: 6093 - 6105	Crystal Structures of Human Immunodeficiency Virus Type 1 (HIV-1) Neutralizing Antibody 2219 in Complex with Three Different V3 Peptides Reveal a New Binding Mode for HIV-1 Cross-Reactivity	Custom Peptides	Human monoclonal antibody 2219 , Eighteen V3 peptides , peptide, D687, Peptide VI191
2006	Susaimuthu J	Plant Pathology, Volume 55, Issue 5: 607-613.	Yellow vein-affected blackberries and the presence of a novel Crinivirus	cap	synthesized peptide - SDGHLAAKHGTTSQFWGATSDFTNG
2006	Takashi S	Am. J. Respir. Cell Mol. Biol., Jun 2006; 34: 647 - 652	A Peptide Against the N-Terminus of Myristoylated Alanine-Rich C Kinase Substrate Inhibits Degranulation of Human Leukocytes In Vitro	Custom Peptides	MANS and RNS peptides
2006	Tang C-J C	Developmental Biology, Volume 290, Issue 2, 15 February 2006, Pages 398-410	Dynamic localization and functional implications of Aurora-C kinase during male mouse meiosis Developmental Biology, Volume 290, Issue 2, 15 February 2006, Pages 398-410	map	MAPs (multiple antigenic peptides)
2006	Theos AC	Mol. Biol. Cell, Aug 2006; 17: 3598 - 3612	Dual Loss of ER Export and Endocytic Signals with Altered Melanosome Morphology in the silver Mutation of Pmel17	Custom Peptides	Antibodies Anti-Pmel mAbs HMB-45, HMB-50, and NKI-beteb Rabbit antibody alpha Pep13h , Rabbit antiserum alpha mPmel-N
2006	Thomas S	Mol. Endocrinol., Aug 2006; 20: 1894 - 1911.	Calcitonin Increases Tumorigenicity of Prostate Cancer Cells: Evidence for the Role of Protein Kinase A and Urokinase-Type Plasminogen Receptor	Custom Oligo/DNA	CT cDNA
2006	Vylkova S	Antimicrob. Agents Chemother., Jan 2006; 50: 324 - 331.	Distinct Antifungal Mechanisms: ß-Defensins Require Candida albicans Ssa1 Protein, while Trk1p Mediates Activity of Cysteine-Free Cationic Peptides	Custom Peptides	Synthetic peptides Hst 5,LFcn 11,BN 16,VPR 12,HNP-1,hBD-2,hBD-3
2006	Wang Y	Cancer Cell, Volume 10, Issue 3, September 2006, Pages 179-190	Epm2a suppresses tumor growth in an immunocompromised host by inhibiting Wnt signaling	Custom Peptide Antibodies	anti-laforin polyclonal antibody
2006	Wysocki J	Diabetes, Jul 2006; 55: 2132 - 2139	ACE and ACE2 Activity in Diabetic Mice	Custom Peptide Antibodies	ACE2 antibody
2006	Xie Y	J. Biol. Chem., Jun 2006; 281: 16482 - 16492	Protein-tyrosine Phosphatase (PTP) Wedge Domain Peptides: A NOVEL APPROACH FOR INHIBITION OF PTP FUNCTION AND AUGMENTATION OF PROTEIN-TYROSINE KINASE FUNCTION	Custom Peptides	LAR and PTPμ Wedge Peptides ,

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2006	Yang M	Sensors and Actuators B: Chemical, Volume 115, Issue 1, 23 May 2006, Pages 428-433	Analysis of interactions of template/primer duplexes with T7 DNA polymerase by oligonucleotide microarray	Custom Peptides	
2006	Zagariya A	Pediatrics, May 2006; 117: 1722 - 1727	Inhibition of Meconium-Induced Cytokine Expression and Cell Apoptosis by Pretreatment With Captopril	Custom Oligo/DNA	polymerase chain reaction , ELISA kits
2006	Zhang X	Biochemical and Biophysical Research Communications, Volume 346, Issue 3, 4 August 2006, Pages 794-801	Zipzap/p200 is a novel zinc finger protein contributing to cardiac gene regulation	Custom Peptides	
2007		J Am Osteopath Assoc, Aug 2007; 107: 327 - 364	51st Annual AOA Research Conference—Abstracts, 2007	Custom Peptides	PKC peptides, epsilon, beta II+zeta
2007	Balabanov R	J. Neurosci., Feb 2007; 27: 2013 - 2024	Interferon--Oligodendrocyte Interactions in the Regulation of Experimental Autoimmune Encephalomyelitis	miscl	Each immunized mouse received 200 _g of MOG35–55 (MEVGWYRSPFSRVVHLY RNGK) (Genemed Synthesis,
2007	Berg KA	Neuroscience, Volume 144, Issue 3, 9 February 2007, Pages 889-897	Integrins regulate opioid receptor signaling in trigeminal ganglion neurons	Custom Peptides	blocking peptides for anti-MOR and anti-phospho-Pyk-2
2007	Bernabeu A	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1768, Issue 6, June 2007, Pages 1659-1670	Structure of the C-terminal domain of the pro-apoptotic protein Hrk and its interaction with model membranes	Custom Peptides	synthetic peptide encompassing residues 65-91 of Hrk
2007	Bollard CM	Blood, Oct 2007; 110: 2838 - 2845	Complete responses of relapsed lymphoma following genetic modification of tumor-antigen presenting cells and T-lymphocyte transfer	Custom Peptides	synthesized peptides
2007	Botten J	J. Virol., Mar 2007; 81: 2307 - 2317	LA-A2-Restricted Protection against Lethal Lymphocytic Choriomeningitis	Custom Peptides	.....unique LCMV isolates for which amino acid sequences have been reported. Peptides. Peptides (90% pure) were obtained from Genemed Synthesis, Inc. (South San Francisco, CA). Hepatitis B virus (HBV) ENV 378 (LLPIFFCLWV) was used as an irrelevant, HLA-A0201-restricted.....
2007	Botten J	J. Virol., Mar 2007; 81: 2307 - 2317	HLA-A2-Restricted Protection against Lethal Lymphocytic Choriomeningitis	Custom Peptides	Peptides (90% pure) were obtained from Genemed Synthesis
2007	Bover LC	J. Immunol., Jun 2007; 178: 8183 - 8194	A Previously Unrecognized Protein-Protein Interaction between TWEAK and CD163: Potential Biological Implications	Custom Peptides	CWDDGWSFC (CD163-like peptide) and CRKFRDEATC (used as a control peptide) were purchased from Genemed Synthesis
2007	Bover LC	J. Immunol., Jun 2007; 178: 8183 - 8194	A Previously Unrecognized Protein-Protein Interaction between TWEAK and CD163: Potential Biological Implications	Custom Peptides	CWDDGWSFC, CRKFRDEATC
2007	Brintnell W	Scandinavian Journal of Immunology, Volume 65, Issue 5: 444-452. doi: 10.1111/j.1365-3083.2007.01931.x	The Influence of MHC Class II Molecules Containing the Rheumatoid Arthritis Shared Epitope on the Immune Response to Aggrecan G1 and Its Peptides	Custom Peptides	Eight peptides were selected from the G1 region of aggrecan (Table 1) and synthesized by Genemed Synthesis
2007	Cabbage SE	J. Immunol., Jan 2007; 178: 887 - 896	Regulatory T Cells Maintain Long-Term Tolerance to Myelin Basic Protein by Inducing a Novel, Dynamic State of T Cell Tolerance	Custom Peptides	MBP121-140 or MBPAc1-11 peptide

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2007	Cabbage SE	J. Immunol., Jan 2007; 178: 887 - 896	Regulatory T Cells Maintain Long-Term Tolerance to Myelin Basic Protein by Inducing a Novel, Dynamic State of T Cell Tolerance	Custom Peptides	Proliferation in response to an in vivo MBP peptide pulse was measured following i.v. injection of 0.4 µmoles MBP121–140 or MBPAc1–11 (control) peptide (Genemed Synthesis).
2007	Castro FR	Toxicon, Volume 49, Issue 3, 1 March 2007, Pages 299-305	The effect of treatment with crotapotin on the evolution of experimental autoimmune neuritis induced in Lewis rats	Custom Peptides	Peripheral myelin P2 (58-81) peptide
2007	Chan JYH	J. Biol. Chem., Feb 2007; 282: 4585 - 4600	Heat Shock Protein 60 or 70 Activates Nitric-oxide Synthase (NOS) I- and Inhibits NOS II-associated Signaling and Depresses the Mitochondrial Apoptotic Cascade during Brain Stem Death	Custom Oligo/DNA	hsp60 cDNA
2007	Chen Y-I G	Nucleic Acids Res., June 2007; 35: 3928 - 3944	Proteomic analysis of in vivo-assembled pre-mRNA splicing complexes expands the catalog of participating factors	Custom Oligo/DNA	carboxyl terminal 15 amino acids of KIAA0332 and NP_035897
2007	Chen Y-IG	Nucleic Acids Res., May 2007; 10.1093/nar/gkm347	Proteomic analysis of in vivo-assembled pre-mRNA splicing complexes expands the catalog of participating factors	Custom Peptide Antibodies	Polyclonal antisera directed against the carboxyl-terminal 15 amino acids of KIAA0332 and NP_035897 (NCBI accession numbers)
2007	Chockalingam A	Veterinary Microbiology, In Press, Corrected Proof, Available online 18 May 2007,	A peptide derived from human bactericidal/permeability-increasing protein (BPI) exerts bactericidal activity against Gram-negative bacterial isolates obtained from clinical cases of bovine mastitis	Custom Peptides	peptide [(KWKAQKRFLKKSKVGWLIQLFHKK) (MW: 3027 g/mol)] corresponding to two discontinuous regions of sequence within the mature form of human BPI [amino acids 90–99 (underlined) and 148–161]
2007	Chockalingam A	Veterinary Microbiology, Volume 125, Issues 1-2, 15 November 2007, Pages 80-90	A peptide derived from human bactericidal/permeability-increasing protein (BPI) exerts bactericidal activity against Gram-negative bacterial isolates obtained from clinical cases of bovine mastitis	Custom Peptides	human BPI [amino acids 90–99
2007	Christenn M	FEBS Letters, Volume 581, Issue 27, 13 November 2007, Pages 5173-5177	Interaction of brain somatostatin receptors with the PDZ domains of PSD-95	Custom Peptides	Synthetic peptides (Fig. 1A) were obtained from Genemed Synthesis
2007	Chu H-Y	Mol. Cell. Biol., May 2007; 27: 3743 - 3749	Cloning and Functional Analysis of Hypothalamic Homeobox Gene Bsx1a and Its Isoform, Bsx1b	Custom Peptides	Anti-BSX1A and anti-BSX1B sera were produced by immunizing rabbits with synthesized peptides, FPHPQ HAELP GKHCR and C-LRPGE KVRNP ALPVD, respectively (Genemed Synthesis).
2007	Colin S.B.	Vaccine, Volume 25, Issue 29, 20 July 2007, Pages 5330-5342	Immunological validation of the EpitOptimizer program for streamlined design of heteroclitic epitopes	miscl	
2007	Cruzeiro-Silva C	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1768, Issue 12, December 2007, Pages 3182-3192	Structural biology of membrane-acting peptides: Conformational plasticity of anticoccidial peptide PW2 probed by solution NMR	Custom Peptides	PW2
2007	Dang Y	Clin. Cancer Res., Mar 2007; 13: 1883 - 1891	Tumor Antigen–Specific T-Cell Expansion Is Greatly Facilitated by In vivo Priming	Custom Peptides	HER-2/neu peptides were synthesized by Genemed Synthesis
2007	Deshmukh PA	Am J Physiol Heart Circ Physiol, Feb 2007; 292: H792 - H799	Acute modulation of PP2a and troponin I phosphorylation in ventricular myocytes: studies with a novel PP2a peptide inhibitor	Custom Peptides	PP2a peptide

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2007	Deshmukh PA	Am J Physiol Heart Circ Physiol, Feb 2007; 292: H792 - H799	Acute modulation of PP2a and troponin I phosphorylation in ventricular myocytes: studies with a novel PP2a peptide inhibitor	Custom Peptides	he peptides (see Table 1; Genemed Synthesis, San Francisco, CA) were in the permeabilization solution at a concentration of 0.15 µg/µl unless otherwise note
2007	Drake WP	Infect. Immun., Jan 2007; 75: 527 - 530	Cellular Recognition of Mycobacterium tuberculosis ESAT-6 and KatG Peptides in Systemic Sarcoidosis	Custom Peptides	ESAT-6 and KatG peptide
2007	Drake WP	Infect. Immun., Jan 2007; 75: 527 - 530	Cellular Recognition of Mycobacterium tuberculosis ESAT-6 and KatG Peptides in Systemic Sarcoidosis	Custom Peptides	ESAT-6 and KatG peptide was synthesized by solid-phase 9-fluorenylmethoxy carbonyl (Fmoc) chemistry
2007	Embers ME	Clin. Vaccine Immunol., Jun 2007; 10.1128/CVI.00075-07	The C6 Diagnostic Peptide of Borrelia burgdorferi Contains Dominant Epitopes That Are Largely Inaccessible to Antibody on the Parent VlsE Molecule	Custom Peptides	Peptides used for the following experiments(sequences shown in Table 1, all derived from V1sE of B. burgdorferi strain B31) consisted of free peptides and N-terminal biotin-conjugated peptides.
2007	Embers ME	Clin. Vaccine Immunol., Aug 2007; 14: 931 - 936	Dominant Epitopes of the C6 Diagnostic Peptide of Borrelia burgdorferi Are Largely Inaccessible to Antibody on the Parent VlsE Molecule	Custom Peptides	N terminal biotin-conjugated peptides
2007	Few WP	PNAS, Mar 2007; 104: 5187 - 5192	Dopamine modulation of neuronal Na+ channels requires binding of A kinase-anchoring protein 15and PKA by a modified leucine zipper motif	Custom Peptides	AKAP15 LZ peptide (37-ENAVLKAVQQYLEETQN-55) and AKAP15 LZM peptide (37-ENAVAKAVQQYAEETQN-55) were synthesized and prepared by Genemed Synthesis Inc.
2007	Freitas MS	J. Biol. Chem., Jun 2007; 10.1074/jbc.M611864200.	Structure of the Ebola fusion peptide in a membrane-mimetic environment and the interaction with lipid rafts	Custom Peptides	Ebola fusion domain
2007	Freitas MS	J. Biol. Chem., Sep 2007; 282: 27306 - 27314.	Structure of the Ebola Fusion Peptide in a Membrane-mimetic Environment and the Interaction with Lipid Rafts	Custom Peptides	Ebola fusion domain
2007	Gagnon KB	Clinical and Experimental Pharmacology and Physiology, OnlineEarly Articles. Published article online: 26-Apr-2007 doi: 10.1111/j.1440-1681.2007.04621.x	CHARACTERIZATION OF AN EXTRACELLULAR EPITOPE ANTIBODY TO THE NEURONAL K-Cl COTRANSPORTER, KCC2	Custom Peptides	extracellular (IFKAEDASGEAAAML) polypeptide sequence derived from the second extracellular loop (ECL2) of rat KCC2 was synthesized onto a lysine backbone
2007	Gautam A	Microbiology, Jan 2008; 154: 275 - 285	Analysis of the determinants of bba64 (P35) gene expression in Borrelia burgdorferi using a gfp reporter	Custom Peptide Antibodies	anti-RpoS Ab
2007	Genesca M	J. Immunol., Oct 2007; 179: 4732 - 4740.	Live Attenuated Lentivirus Infection Elicits Polyfunctional Simian Immunodeficiency Virus Gag-Specific CD8+ T Cells with Reduced Apoptotic Susceptibility in Rhesus Macaques that Control Virus Replication after Challenge with Pathogenic SIVmac239	Custom Peptides	9- and 10-mer peptides
2007	Getts MT	J. Virol., Jun 2007; 81: 6584 - 6593	PATHOGENESIS AND IMMUNITY: Differential Outcome of Tolerance Induction in Naive versus Activated Theiler's Virus Epitope-Specific CD8+ Cytotoxic T Cells	Custom Peptides	All synthetic peptides were obtained from Genemed Synthesis
2007	Getts MT	J. Virol., Jun 2007; 81: 6584 - 6593.	Differential Outcome of Tolerance Induction in Naive versus Activated Theiler's Virus Epitope-Specific CD8+ Cytotoxic T Cells	Custom Peptides	synthetic peptides; TMEV peptides

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2007	Godovikova V	J. Biol. Chem., Oct 2007; 282: 31341 - 31348	Dynamic Processing of Recombinant Dentin Sialoprotein-Phosphophoryn Protein	Custom Peptides	Rat DSP peptide
2007	Gonzalez-Gronow M	J. Biol. Chem., Nov 2007; 282: 32811 - 32820	Plasminogen Structural Domains Exhibit Different Functions When Associated with Cell Surface GRP78 or the Voltage-dependent Anion Channel	Custom Oligo/DNA	Ser759-Arg778
2007	Gusarova GA	J. Clin. Invest., Jan 2007; 117: 99 - 111	A cell-penetrating ARF peptide inhibitor of FoxM1 in mouse hepatocellular carcinoma treatment	Custom Peptides	WT ARF26-44 peptide or mutant ARF37-44 peptide
2007	Gusarova GA	J. Clin. Invest., Jan 2007; 117: 99 - 111	A cell-penetrating ARF peptide inhibitor of FoxM1 in mouse hepatocellular carcinoma treatment	Custom Peptides	WT ARF26–44 peptide (rrrrrrrrrKFVRSRRPRTASCALAFVN) or mutant ARF37–44 peptide (rrrrrrrrrSCALAFVN),
2007	Gustafson-Wagner EA	Am J Physiol Heart Circ Physiol, Nov 2007; 293: H2680 - H2692.	Loss of mXin, an intercalated disk protein, results in cardiac hypertrophy and cardiomyopathy with conduction defects	Custom Peptide Antibodies	polyclonal antibodies (U1697 for a peptide specific and U1741 for b peptide specific)
2007	Henke MO	Am. J. Respir. Crit. Care Med., Jan 2007; doi:10.1164/rccm.200607-1011OC	MUC5AC and MUC5B Mucins Increase in Cystic Fibrosis Airway Secretions During Pulmonary Exacerbation	Custom Oligo/DNA	MUC5AC and MUC5B
2007	Hernández-Martínez S	Journal of Insect Physiology, Volume 53, Issue 3, March 2007, Pages 230-234	Role of juvenile hormone and allatotropin on nutrient allocation, ovarian development and survivorship in mosquitoes	cap	Rabbit polyclonal antisera against Ae. aegypti AT was produced using a synthetic peptide (Veenstra and Costes, 1999) conjugated to Keyhole limpet hemocyanin by Genemed Synthesis, Inc. (San Francisco, CA).
2007	Hou F	J. Cell Biol., May 2007; 177: 587 - 597	The acetyltransferase activity of San stabilizes the mitotic cohesin at the centromeres in a shugoshin-independent manner	Custom Peptide Antibodies	The polyclonal rabbit antibody to human San was raised by Genemed Synthesis, Inc. using His-tagged recombinant San as the antigen
2007	Huleatt JW	Vaccine, Volume 25, Issue 4, 8 January 2007, Pages 763-775	Vaccination with recombinant fusion proteins incorporating Toll-like receptor ligands induces rapid cellular and humoral immunity	miscl	LL)(91-99); p60(217-225)
2007	Humphreys IR	J. Exp. Med., May 2007; 204: 1217 - 1225	Cytomegalovirus exploits IL-10–mediated immune regulation in the salivary glands	Custom Peptides	MCMV-derived peptides (Genemed Synthesis Inc.).
2007	Humphreys IR	J. Immunol., Aug 2007; 179: 2195 - 2202	OX40 Costimulation Promotes Persistence of Cytomegalovirus-Specific CD8 T Cells: A CD4-Dependent Mechanism	Custom Peptides	MCMV peptides
2007	Jenkins S.A.	Endocrinology, Aug 2007; 148: 3914 - 3921	Administration of Adrenocorticotropic Hormone during Chicken Embryonic Development Prematurely Induces Pituitary Growth Hormone Cells	Custom Peptides	cACTH, cACTH 1-24
2007	Karnoup AS	Journal of Chromatography B, Volume 859, Issue 2, 15 November 2007, Pages 178-191	A novel HPLC–UV–MS method for quantitative analysis of protein glycosylation	Custom Peptides	EEQYNSTYR (“N”) and EEQYDSTYR (“D”)
2007	Kirkland JG	Am J Physiol Gastrointest Liver Physiol, Apr 2007; 10.1152/ajpgi.00425.2006.	AGONISTS OF PROTEASE-ACTIVATED RECEPTORS 1 AND 2 STIMULATE ELECTROLYTE SECRETION FROM MOUSE GALLBLADDER	Custom Peptides	APs corresponding to the tethered ligand of mouse PAR1 (SFLLRN-NH2), Xenopus PAR1 (TFLLRN-NH2), and mouse PAR2 (SLIGRL-NH2) and their respective reverse sequences (NRLLFS-NH2, NRLLFT-NH2, and LRGILS-NH2), which were used as inactive controls, were from Genemed Synthesis (South San Francisco, CA).

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2007	Kirkland JG	Am J Physiol Gastrointest Liver Physiol, Jul 2007; 293: G335 - G346	Agonists of protease-activated receptors 1 and 2 stimulate electrolyte secretion from mouse gallbladder	Custom Peptides	NH2
2007	Krautz-Peterson G	J. Biol. Chem., Jun 2007; 10.1074/jbc.M703512200	Amino acid transport in schistosomes: Characterization of the permease heavy chain SPRM1hc	Custom Peptides	NH2-IDQPVGSQRVYLKSDGQPM-COOH
2007	Krautz-Peterson G	J. Biol. Chem., Jul 2007; 282: 21767 - 21775.	Amino Acid Transport in Schistosomes: CHARACTERIZATION OF THE PERMEASEHEAVY CHAIN SPRM1hc	Custom Oligo/DNA	SPRM1hc amno acid residues 615-633
2007	Krenz M	J. Biol. Chem., Jun 2007; 10.1074/jbc.M704574200.	MOLECULAR BASIS OF CELL AND DEVELOPMENTAL BIOLOGY: Distribution and structure-function relationship of myosin heavy chain isoforms in the adult mouse heart	Custom Peptide Antibodies	custom-made polyclonal anti-loop-2 of cardiac β-MHC
2007	Krenz M	J. Biol. Chem., Aug 2007; 282: 24057 - 24064.	Distribution and Structure-Function Relationship of Myosin Heavy Chain Isoforms in the Adult Mouse Heart	Custom Peptide Antibodies	polyclonal anti-loop 2 of cardia beta-MHC
2007	Lapteva N	Cancer Res., Nov 2007; 67: 10528 - 10537	Enhanced Activation of Human Dendritic Cells by Inducible CD40 and Toll-like Receptor-4 Ligation	Custom Peptides	HLA-A2–restricted peptides MAGE-3-A2.1 p271-279 (FLWGPRALV), influenza matrix p58-66 (GILGFVFTL), and HIV-1 gag p77-85 (SLYNTVATL) were used to analyze CD8+ T-cell responses. In Th cell polarization experiments, HLA-DR11.5–restricted tetanus toxoid peptide TTp30 FNNFTVSFWLRVPKVSASHLE was used. All peptides were synthesized by Genemed Synthesis, Inc., with a high-performance liquid chromatography–determined purity of >95%.
2007	Laskin J	nternational Journal of Mass Spectrometry, In Press, Corrected Proof, Available online 15 February 2007,	Charge retention by peptide ions soft-landed onto self-assembled monolayer surfaces I	Custom Peptides	
2007	Laskin J	International Journal of Mass Spectrometry, Volume 265, Issues 2-3, 1 September 2007, Pages 237-243	Charge retention by peptide ions soft-landed onto self-assembled monolayer surfaces	Custom Peptides	MARK polyclonal antibodies were produced in rabbits against a MARK C-terminal peptide (KNIASKIANELKL) (Genemed Synthesis, South San Francisco, CA, USA), which corresponded to the rat MARK sequence from amino acids 781–793 (referred to as a-MARK) and the N-terminal of rat MARK1 (referred to as a-MARK1).
2007	Lawrence PK	Veterinary Immunology and Immunopathology, In Press, Accepted Manuscript, Available online 3 June 2007,	CD11b of Ovis canadensis and Ovis aries: molecular cloning and characterization	Custom Peptides	
2007	Lee MT	Eukaryot. Cell, Dec 2007; 6: 2406 - 2418	Endocytosis in the Shiitake Mushroom Lentinula edodes and Involvement of GTPase LeRAB7	Custom Peptide Antibodies	LeRAB7 polyclonal antiserum
2007	Levy R	Journal of Molecular Biology, Volume 365, Issue 1, 5 January 2007, Pages 196-210	Fine and Domain-level Epitope Mapping of Botulinum Neurotoxin Type A Neutralizing Antibodies by Yeast Surface Display	Custom Peptides	N-KYVDVNNVGIRGYMYLKGP-C
2007	Li A	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1768, Issue 3, March 2007, Pages 411-418	Atomic force microscopy study of the antimicrobial action of Sushi peptides on Gram negative bacteria	Custom Peptides	

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2007	Li J	Journal of Neuroimmunology, Volume 192, Issues 1-2, December 2007, Pages 57-67	High cell surface expression of CD4 allows distinction of CD4+CD25+ antigen-specific effector T cells from CD4+CD25+ regulatory T cells in murine experimental autoimmune encephalomyelitis	Custom Peptides	mog peptide p35-55, mbp peptide Ac1-11
2007	Li P	Journal of Endotoxin Research, June 2007; 13: 150 - 157.	Recombinant Factor C competes against LBP to bind lipopolysaccharide and neutralizes the endotoxicity	Custom Peptides	LBP85108 peptide 23, 35
2007	Li Y	Protein Expression and Purification, Volume 54, Issue 1, 1 July 2007, Pages 157-165	A novel method for purifying recombinant human host defense cathelicidin LL-37 by utilizing its inherent property of aggregation	Custom Peptides	synthetic LL-37
2007	Li Y	Protein Expression and Purification, In Press, Uncorrected Proof, Available online 10 May 2007,	On-resin cleavage of bacterially expressed fusion proteins for purification of active recombinant peptides SK-29, KR-20, LL-29, and LL-23 from human sweat or skin	Custom Peptides	synthetic peptide KR-20
2007	Li Y	Protein Expression and Purification, Volume 54, Issue 1, 1 July 2007, Pages 157-165	A novel method for purifying recombinant human host defense cathelicidin LL-37 by utilizing its inherent property of aggregation	Custom Peptides	LL-37
2007	Li Y	Protein Expression and Purification, Volume 55, Issue 2, October 2007, Pages 395-405	On-resin cleavage of bacterially expressed fusion proteins for purification of active recombinant peptides SK-29, KR-20, LL-29, and LL-23 from human sweat or skin	Custom Peptides	KR-20
2007	Liao Y	Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology, Volume 148, Issue 3, November 2007, Pages 584-590	Cloning of a pig homologue of the human lactoferrin receptor: Expression and localization during intestinal maturation in piglets	Custom Peptides	LfR anti-serum
2007	Liu J-Q	J. Immunol., May 2007; 178: 6227 - 6235	CD24 on the Resident Cells of the Central Nervous System Enhances Experimental Autoimmune Encephalomyelitis	Custom Peptides	The immunogen, myelin oligodendrocyte glycoprotein (MOG) peptide 35–55 (MEVGWYRSPFSRVVHLYRNGK), was purchased from Genemed Synthesis
2007	Lopez M	Biochemical and Biophysical Research Communications, Volume 356, Issue 4, 18 May 2007, Pages 886-892	Molecular architecture of leishmania EF-1α reveals a novel site that may modulate protein translation: A possible target for drug development	Custom Peptides	synthetic peptide (EKVRFIPIS)
2007	Madison MN	Infect. Immun., Oct 2007; 75: 4780 - 4791	Human Defensin -1 Causes Trypanosoma cruzi Membrane Pore Formation and Induces DNA Fragmentation, Which Leads to Trypanosome Destruction	Custom Peptides	defensin a-1
2007	May RJ	Clin. Cancer Res., Aug 2007; 13: 4547 - 4555.	Peptide Epitopes from the Wilms' Tumor 1 Oncoprotein Stimulate CD4+ and CD8+ T Cells That Recognize and Kill Human Malignant Mesothelioma Tumor Cells	Custom Peptides	Each of the peptides used in this study was purchased and synthesized by Genemed Synthesis,
2007	McMullan LK	PNAS, Feb 2007; doi:10.1073/pnas.0611267104	Evidence for a functional RNA element in the hepatitis C virus core gene	Custom Peptides	4050 peptides
2007	McMullan LK	PNAS, Feb 2007; 104: 2879 - 2884.	Evidence for a functional RNA element in the hepatitis C virus core gene	Custom Peptides	Peptide stimulation was conducted by using 10 pools of 40–50 peptides (Genemed Synthesis)
2007	Mishra S	J. Biol. Chem., Feb 2007; 282: 4288 - 4300	Activation of JNK-dependent Pathway Is Required for HIV Viral Protein R-induced Apoptosis in Human Monocytic Cells: INVOLVEMENT OF ANTIAPOPTOTIC BCL2 AND c-IAP1	Custom Peptides	Vpr Peptides

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
			GENES		
2007	Mishra S	J. Biol. Chem., Feb 2007; 282: 4288 - 4300	Activation of JNK-dependent Pathway Is Required for HIV Viral Protein R-induced Apoptosis in Human Monocytic Cells: INVOLVEMENT OF ANTIAPOPTOTIC BCL2 AND c-IAP1 GENES	Custom Peptides	Vpr peptides were synthesized by Genemed Synthesis
2007	Mitra-Kaushik S	J. Immunol., Jul 2007; 179: 1303 - 1312	Human Cytotoxic CD4+ T Cells Recognize HLA-DR1-Restricted Epitopes on Vaccinia Virus Proteins A24R and D1R Conserved among Poxviruses	Custom Peptides	The top 45 predicted binding peptides were selected for synthesis as 21-mer peptides, of which 36 peptides were successfully synthesized by Genemed Synthesis
2007	Munks MW	Infection J. Immunol., Jun 2007; 178: 7235 - 7241	Viral Interference with Antigen Presentation Does Not Alter Acute or Chronic CD8 T Cell Immunodominance in Murine Cytomegalovirus	Custom Peptides	All 8-, 9-, and 10-mer peptides were synthesized as crude peptides (65–95% pure by HPLC) by Genemed Synthesis or Jerini Peptide Technologies
2007	Munks MW	J. Immunol., Jun 2007; 178: 7235 - 7241	Viral Interference with Antigen Presentation Does Not Alter Acute or Chronic CD8 T Cell Immunodominance in Murine Cytomegalovirus Infection	Custom Peptides	Peptides All 8-, 9-, and 10-mer peptides
2007	Nash KT	J Natl Cancer Inst, Feb 2007; 99: 309 - 321	Requirement of KISS1 Secretion for Multiple Organ Metastasis Suppression and Maintenance of Tumor Dormancy	Custom Peptides	cells were exposed for 5 minutes to combinations of chemically synthesized ligands for various receptors. These ligands included KP-10 (100 nM; Genemed Synthesis
2007	Nishiyama Y	J. Biol. Chem., Oct 2007; 282: 31250 - 31256.	Towards Covalent Vaccination: IMPROVED POLYCLONAL HIV NEUTRALIZING ANTIBODY RESPONSE INDUCED BY AN ELECTROPHILIC gp120 V3 PEPTIDE ANALOG	Custom Peptides	reversed phase HPLC
2007	Penuela S	J. Cell Sci., Nov 2007; 120: 3772 - 3783	Pannexin 1 and pannexin 3 are glycoproteins that exhibit many distinct characteristics from the connexin family of gap junction proteins	Custom Peptide Antibodies	...used to generate site-directed rabbit polyclonal antibodies by Genemed Synthesis
2007	Pouliot K	Infect. Immun., Apr 2007; 10.1128/IAI.01644-06	Evaluation of the role of LcrV/TLR2-mediated immunomodulation in the virulence of Yersinia pestis	Custom Peptides	Synthetic LcrV peptides (purified by high-pressure liquid chromatography to >98%) were purchased from Genemed Synthesis, Inc.
2007	Pouliot K	Infect. Immun., Jul 2007; 75: 3571 - 3580	Evaluation of the Role of LcrV-Toll-Like Receptor 2-Mediated Immunomodulation in the Virulence of Yersinia pestis	Custom Peptides	synthetic LcrV peptides
2007	Qu S	Am J Physiol Endocrinol Metab, Feb 2007; 292: E421 - E434	PPAR mediates the hypolipidemic action of fibrates by antagonizing FoxO1	Custom Peptide Antibodies	FoxO1 peptide,rabbit IgG antibody
2007	Qu S	Am J Physiol Endocrinol Metab, Feb 2007; 292: E421 - E434.	PPAR mediates the hypolipidemic action of fibrates by antagonizing FoxO1	Custom Peptide Antibodies	Polyclonal rabbit anti-FoxO1 antibody was developed in our laboratory by immunization of rabbits with the glutathione S-transferase-tagged human FoxO1 protein (Genemed Synthesis, San Francisco, CA)
2007	Qu S	J. Lipid Res., Apr 2007; 10.1194/jlr.M600498-JLR200	Effects of apoA-V on HDL and VLDL metabolism in APOC3 transgenic mice	Custom Peptides	mouse apoAV specific peptide (amino acids 113-128, VGWNLEGLRQQLKPYT)
2007	Qu S	J. Lipid Res., Jul 2007; 48: 1476 - 1487.	Effects of apoA-V on HDL and VLDL metabolism in APOC3 transgenic mice	Custom Peptides	mouse apoA-V-specific peptide

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2007	Savoldo B	Blood, May 2007; 10.1182/blood-2006-11-059139	Epstein barr virus-specific cytotoxic T lymphocytes expressing the anti-CD30 artificial chimeric T-cell receptor for immunotherapy of Hodgkin's disease	Custom Peptides	For some experiments, the CMV peptides A2-NLV and B7-TPR were used. Peptides were synthesized by Genemed Synthesis
2007	Savoldo B	Blood, Oct 2007; 110: 2620 - 2630	Epstein Barr virus–specific cytotoxic T lymphocytes expressing the anti-CD30 artificial chimeric T-cell receptor for immunotherapy of Hodgkin disease	Custom Peptides	CMV peptides A2-NLV and B7-TPR
2007	Scarselli M	J. Biol. Chem., Jan 2007; doi:10.1074/jbc.M610394200	Multiple residues in the second extracellular loop are critical for M3 muscarinic acetylcholine receptor activation	Custom Oligo/DNA	under error-prone conditions (30). The following sense primer coding for M3R residues Pro-201 to Phe-232 was synthesized by Genemed Synthesis Inc. (San Francisco, CA): 5'-CCT GCC ATC TTG TTC TGG CAA TAC TTT GTA GGG AAG AGA ACT GTG CCC CCA GGA GAA TGT TTC.....
2007	Scarselli M	J. Biol. Chem., Mar 2007; 282: 7385 - 7396	Multiple Residues in the Second Extracellular Loop Are Critical for M3 Muscarinic Acetylcholine Receptor Activation	Custom Peptides	The following sense primer coding for M3R residues Pro201 to Phe232 was synthesized by Genemed Synthesis
2007	Schaefer D	Cell, Jun 2007; 6: 907 - 918.	Barrier Activity in Candida albicans Mediates Pheromone Degradation and Promotes Mating Eukaryot.	cpl	Alpha pheromone peptide (GFRLTNFGYFEPG) was synthesized by Genemed Synthesis.
2007	Scharfer D	Eukaryot. Cell, Jun 2007; 6: 907 - 918	Barrier Activity in Candida albicans Mediates Pheromone Degradation and Promotes Mating	Custom Peptides	0.4 potassium phosphate, 2 mannitol alpha pheromone peptide
2007	Schaubert KL	Immunol., Jun 2007; 178: 7756 - 7766.	Availability of a Diversely Avid CD8+ T Cell Repertoire Specific for the Subdominant HLA-A2-Restricted HIV-1 Gag p2419–27 Epitope J.	Custom Peptides	The HIV-1 peptides TLNAWVKVV (TV9, Gag p2419–27), TLNAWVKVI (9I), TLNAWVKLV (HIV-2 Gag, 8L), SLYNTVATL (SL9, Gag p1777–85), SLFNTVATL (3F), SLYNTVAAL (SL9 agonist, p41), ILKEPVHGV (IV9, Pol476–484), the influenza matrix peptide GILGFVFTL (GL9, Flu MP58–66), and the tyrosinase368–376 peptide YMNGTMSQV (YV9) were synthesized by Genemed Synthesis
2007	Schaubert KL	J. Immunol., Jun 2007; 178: 7756 - 7766	Availability of a Diversely Avid CD8+ T Cell Repertoire Specific for the Subdominant HLA-A2-Restricted HIV-1 Gag p2419–27 Epitope	Custom Peptides	matrix peptide GL9, Flu MP58-66 and tyrosinase368-376 peptide YV9
2007	Shannon D	Virology, Volume 363, Issue 2, 5 July 2007, Pages 419-429	Surface density of the Hendra G protein modulates Hendra F protein-promoted membrane fusion: Role for Hendra G protein trafficking and degradation Virology, Volume 363, Issue 2, 5 July 2007, Pages 419-429	Custom Peptides	Hendra F, Hendra G
2007	Sivertson KL	Cellular Immunology, In Press, Corrected Proof, Available online 14 June 2007,	The differential effect of dexamethasone on granulocyte apoptosis involves stabilization of Mcl-1L in neutrophils but not in eosinophils	Custom Peptide Antibodies	A 15 amino acid peptide (RGPRRWHQECAAGFC, corresponding to amino acids 239–253
2007	Stokely M	Journal of Neuroscience Methods, Volume 166, Issue 2, 30 November 2007, Pages 217-228	Microfluorimetry defines early axonal damage in a rat model of optic neuritis: A novel method targeting early CNS autoimmunity	Custom Peptides	MOG-peptide 35-55
2007	Tan Y	Mol. Cell. Biol., Feb 2007; 27: 1007 - 1016.	Chk2 Mediates Stabilization of the FoxM1 Transcription Factor To Stimulate Expression of DNA Repair Genes	Custom Peptide Antibodies	FoxM1 peptide antibody

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2007	Tan Y	Mol. Cell. Biol., Feb 2007; 27: 1007 - 1016	Chk2 Mediates Stabilization of the FoxM1 Transcription Factor To Stimulate Expression of DNA Repair Genes	miscl	The anti-phosphoserine 361 FoxM1 peptide antibody (FoxM1 pS361) was generated and affinity purified by Genemed Synthesis
2007	Thelin WR	J. Clin. Invest., Feb 2007; 117: 364 - 374.	Direct interaction with filamins modulates the stability and plasma membrane expression of CFTR	Custom Peptides	CFTR1-25 or CFTR1-25/S13F peptides
2007	Thelin WR	J. Clin. Invest., Feb 2007; 117: 364 - 374	Direct interaction with filamins modulates the stability and plasma membrane expression of CFTR	Custom Oligo/DNA	Peptides corresponding to residues 1–25 of CFTR were synthesized followed by a serine-glycine-serine-gylcine (SGSG) linker region and a C-terminal lysine residue coupled to biotin (Genemed Synthesis
2007	Thomas AH	Experimental Biology and Medicine, Mar 2007; 232: 406 - 411.	A BRIEF COMMUNICATION: Collagen Fragments Modulate Innate Immunity	Custom Peptides	Ten milligrams of peptide p1 (Lot #10054791, Genemed Synthesis Inc., San Francisco, CA), p2 (Lot #10059702, Genemed Synthesis Inc.), and p3 (Lot #10059701, Genemed Synthesis Inc.)
2007	Turley DM	J. Immunol., Feb 2007; 178: 2212 - 2220.	Peripheral Tolerance Induction Using Ethylenecarbodiimide-Fixed APCs Uses both Direct and Indirect Mechanisms of Antigen Presentation for Prevention of Experimental Autoimmune Encephalomyelitis	Custom Peptides	peptides MOG35-55
2007	Turley DM	J. Immunol., Feb 2007; 178: 2212 - 2220	Peripheral Tolerance Induction Using Ethylenecarbodiimide-Fixed APCs Uses both Direct and Indirect Mechanisms of Antigen Presentation for Prevention of Experimental Autoimmune Encephalomyelitis	Custom Peptides	Synthetic peptides MOG35–55 (MEVGWYRSPFSRVVHLYRNGK), PLP139–151 (HSLGKWLGHPDKF), and Eα52–68 (ASFEAQGALANIAVDKA) were purchased from Genemed Synthesis.
2007	Vavaiya K	Brain Research, Volume 1176, 24 October 2007, Pages 62-70	Caudal hindbrain lactate infusion alters glucokinase, SUR1, and neuronal substrate fuel transporter gene expression in the dorsal vagal complex, lateral hypothalamic area, and ventromedial nucleus hypothalamus of hypoglycemic male rats	Custom Peptides	PCR primers
2007	Verde M.A.	Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology, Volume 147, Issue 4, August 2007, Pages 983-992	Pigment dispersing hormone generates a circadian response to light in the crayfish, Procambarus clarkii	Custom Peptides	PDH
2007	Verde MA	Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology, Volume 147, Issue 4, August 2007, Pages 983-992	Pigment dispersing hormone generates a circadian response to light in the crayfish, Procambarus clarkii	miscl	PDH
2007	Vylkova S	Antimicrob. Agents Chemother., Jan 2007; 51: 154 - 161	Human ß-Defensins Kill Candida albicans in an Energy-Dependent and Salt-Sensitive Manner without Causing Membrane Disruption	miscl	by using standard solid-phase synthesis protocols and purified by reversed-phase high-performance liquid chromatography by Genemed Synthesis Inc. (San Francisco, CA). The primary structures of these peptides are shown in Table 1. Candidacidal assay.....
2007	Vylkova S	Chemother., Jan 2007; 51: 154 - 161	Human Defensins Kill Candida albicans in an Energy-Dependent and Salt-Sensitive Manner without Causing Membrane Disruption Antimicrob. Agents	Custom Peptides	Hst 5 was synthesized by using standard solid-phase synthesis protocols and purified by reversed-phase high-performance liquid chromatography by Genemed Synthesis Inc
2007	Wang F	Aging Cell, OnlineEarly Articles. Published article online: 23-May-2007 doi: 10.1111/j.1474-	SIRT2 deacetylates FOXO3a in response to oxidative stress and caloric restriction	cap	Rabbit anti-SIRT3 antibody was raised against the C-terminus 15 amino acid residues of mouse SIRT3 (DLMQRERGKLDGQDR) by the Genemed Synthesis, Inc. (South San

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
		9726.2007.00304.x			Francisco, CA, USA).
2007	Wang G	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1768, Issue 12, December 2007, Pages 3271-3281	Determination of solution structure and lipid micelle location of an engineered membrane peptide by using one NMR experiment and one sample	Custom Peptides	pepA, pepB
2007	Wang Y	Journal of Neurochemistry, OnlineEarly Articles. Published article online: 30-Apr-2007 doi: 10.1111/j.1471-4159.2007.04606.x	Brain-derived neurotrophic factor stimulates the transcriptional and neuroprotective activity of myocyte-enhancer factor 2C through an ERK1/2-RSK2 signaling cascade	Custom Peptides	MEF2C S192 peptide (GVTHRPPSAG) and MEF2C S192A peptide (GVTHRPPAAG)
2007	Wei X	International Journal of Biological Macromolecules, Volume 40, Issue 2, 30 January 2007, Pages 83-86	Design and stability of a novel coiled-coil peptide	Custom Peptides	emplate of natural protein, a novel peptide was designed with satisfied stability which came from the formation of coiled-coil dimer in vitro
2007	Whitman SD	Virology, Volume 363, Issue 2, 5 July 2007, Pages 419-429	Surface density of the Hendra G protein modulates Hendra F protein-promoted membrane fusion: Role for Hendra G protein trafficking and degradation	cap	Hendra F antipeptide antibodies
2007	Wu F	Vaccine, Volume 25, Issue 52, 17 December 2007, Pages 8868-8873	Characterization of immunity induced by M2e of influenza virus	Custom Peptides	M2 protein
2007	Wu XR	The Plant Journal, Volume 50, Issue 4: 627-636. doi: 10.1111/j.1365-313X.2007.03076.x	Altered expression of plant lysyl tRNA synthetase promotes tRNA misacylation and translational recoding of lysine	Custom Peptides	C-terminal EESAAAQAPLTEEKK-specific sequences of At-KRS-1
2007	Xie Z	J. Biol. Chem., Aug 2007; 282: 25278 - 25289	Group VIA Phospholipase A2 (iPLA2) Participates in Angiotensin II-induced Transcriptional Up-regulation of Regulator of G-protein Signaling-2 in Vascular Smooth Muscle Cells	Custom Peptide Antibodies	iPLA2 beta antibody
2007	Xu X	Journal of Molecular Biology, Volume 373, Issue 2, 19 October 2007, Pages 367-381	The Periplasmic Bacterial Molecular Chaperone SurA Adapts its Structure to Bind Peptides in Different Conformations to Assert a Sequence Preference for Aromatic Residues	Custom Peptides	OmpF, OmpG
2007	Yatsenko AS	J. Biol. Chem., May 2007; 282: 15159 - 15169	A Putative Src Homology 3 Domain Binding Motif but Not the C-terminal Dystrophin WW Domain Binding Motif Is Required for Dystroglycan Function in Cellular Polarity in Drosophila	Custom Peptides	Six additional tetramethylrhodamine-labeled peptides were ordered from Genemed Synthesis Inc
2007	Yu J	Biochemical and Biophysical Research Communications, Volume 353, Issue 2, 9 February 2007, Pages 363-368	Identification of a complement receptor 1 peptide for inhibition of immune hemolysis	Custom Peptides	CR1 peptide
2007	Zhang X	Gene, Volume 400, Issues 1-2, 1 October 2007, Pages 131-139	Alternative splicing and nonsense-mediated mRNA decay regulate gene expression of serum response factor	Custom Peptide Antibodies	An antibody against a peptide sequence SQCRPFKCTRPHSKR derived from the putative protein sequence of exon 4 in SRF-△ 3 was generated by standard procedure
2007	Zhao P	Clin. Cancer Res., Oct 2007; 13: 6049 - 6055	Identification of a Met-Binding Peptide from a Phage Display Library	Custom Peptides	nonavid peptide and their FITC and biotin conjugates

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2007	Zhu Z	Biochemical and Biophysical Research Communications, Volume 358, Issue 1, 22 June 2007, Pages 66-72	PI3K is negatively regulated by PIK3IP1, a novel p110 interacting protein	cap	polyclonal antibody made in rabbit against PIK31P1 peptide
2007	Zhu Z.	Biochemical and Biophysical Research Communications, Volume 358, Issue 1, 22 June 2007, Pages 66-72	PI3K is negatively regulated by PIK3IP1, a novel p110 interacting protein	Custom Peptides	A polyclonal antibody was made in a rabbit against a PIK3IP1 peptide
2008	Pérez-Berná A	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1778, Issue 10, October 2008, Pages 2069-2080	The pre-transmembrane region of the HCV E1 envelope glycoprotein: Interaction with model membranes	Custom Peptides	The peptide E1PTM corresponding to the sequence 309-YPGHVSGHRMAWDMMMNWSPTTALV VSQLLRI-340 rom HCV strain IB4J, with N-terminal acetylation and C-terminal amidation, was obtained from Genemed Synthesis, San Francisco, Calif
2008	Aldrich M	Vaccine, Volume 26, Issue 8, 20 February 2008, Pages 1128-1135	SOCS1 downregulation in dendritic cells promotes memory T-cell responses	Custom Peptides	H2-Kb-restricted TRP2 (VYDFFVWL), H2-Kb-restricted OT-I (chicken ovalbumin [OVA] peptide 257—264, SIINFEKL) and OT-II chicken (OVA peptide 323-339, ISQAVHAAHAEINEAGR),
2008	Ausili A	Journal of Structural Biology, Volume 164, Issue 1, October 2008, Pages 146-152	The interaction of the Bax C-terminal domain with negatively charged lipids modifies the secondary structure and changes its way of insertion into membranes	Custom Peptides	the synthetic Bax C-terminal domain peptide (Bax-C) including residues 169–192 of Bax (NH3 + -169 TWQT VTIFVAGVLTASLTIWKKMG 192 -COO) was obtained from Genemed Synthesis Inc. (San Antonio, TX, USA)
2008	Bailey-Bucktrout S	J. Immunol., May 2008; 180: 6457 - 6461.	Cutting Edge: Central Nervous System Plasmacytoid Dendritic Cells Regulate the Severity of Relapsing Experimental Autoimmune Encephalomyelitis	cp cab	Peptides and antibodies PLP139-151 (HSLGKWLGHPDKF) was synthesized to 95% purity by Genemed Synthesis
2008	Bailey-Bucktrout SL	J. Immunol., May 2008; 180: 6457 - 6461	Cutting Edge: Central Nervous System Plasmacytoid Dendritic Cells Regulate the Severity of Relapsing Experimental Autoimmune Encephalomyelitis	cp, cab	Peptides and antibodies PLP139-151
2008	Banerjee M	Peptides, Volume 29, Issue 3, March 2008, Pages 375-385	Probing the conformation and dynamics of allatostatin neuropeptides: A structural model for functional differences	Custom Peptides	allatostatin
2008	Beal A	J. Immunol., Oct 2008; 181: 4815 - 4824.	CELLULAR IMMUNOLOGY AND IMMUNE REGULATION: Protein Kinase C Regulates Stability of the Peripheral Adhesion Ring Junction and Contributes to the Sensitivity of Target Cell Lysis by CTL	Custom Peptides	PG13 from HIV p24 Gag was synthesized by Genemed Synthesis
2008	Bevelander G	J. Endocrinol., Mar 2008; 196: 625 - 635.	CYP27A1 expression in gilthead sea bream (Sparus auratus, L.): effects of calcitriol and parathyroid hormone-related protein	Custom Peptides	Pufferfish (Takifugu rubripes) PTHrP (1-34) was synthesized by Genemed Synthesis Inc. (San Francisco, CA, USA).
2008	Bevelander GS	J. Endocrinol., Mar 2008; 196: 625 - 635.	CYP27A1 expression in gilthead sea bream (Sparus auratus, L.): effects of calcitriol and parathyroid hormone-related protein	Custom Peptides	PTHrP (1-34)
2008	Boateng K	Mol Plant, Jun 2008; doi:10.1093/mp/ssn030	SWI1 Is Required for Meiotic Chromosome Remodeling Events	Custom Peptide Antibodies	SWI1 was synthesized, coupled to KLH, and also used to produce a rabbit polyclonal antiserum

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2008	Boateng K	Mol Plant, Jul 2008; 1: 620 - 633.	RESEARCH ARTICLES: SWI1 Is Required for Meiotic Chromosome Remodeling Events	cp cab	A peptide to amino acids from 85 to 105 (HFDYSRMNRNKPMKKRSGG) of SWI1 was synthesized, coupled to KLH, and also used to produce a rabbit polyclonal antiserum (Genemed Synthesis Inc.).
2008	Briski K	Neuropeptides, Volume 42, Issues 5-6, October-December 2008, Pages 585-591	Effects of orchidectomy on adaptation of arcuate neuropeptide Y, proopiomelanocortin, and cocaine- and amphetamine-related transcript gene profiles to recurring insulin-induced hypoglycemia in the male rat	misc	
2008	Callahan M	PNAS, Feb 2008; 105: 1662 - 1667.	Heat-shock protein 90 associates with N-terminal extended peptides and is required for direct and indirect antigen presentation	Custom Peptide Antibodies	epitope II (223-231; CKGVNKEYL), SHL8 (SIINFEHL), and 18-mer SHL8 (LEQLKSIINFEHLKEWTS) were synthesized by Genemed Synthesis
2008	Callahan MK	PNAS, Feb 2008; 105: 1662 - 1667.	Heat-shock protein 90 associates with N-terminal extended peptides and is required for direct and indirect antigen presentation	Custom Peptides	epitope II, SHL8, and 18-mer SHL8
2008	Carl J	J. Immunol., Jul 2008; 181: 320 - 328.	CELLULAR IMMUNOLOGY AND IMMUNE REGULATION: Autoreactive T Cells Escape Clonal Deletion in the Thymus by a CD24-Dependent Pathway	Custom Peptides	MOG peptide 35-55 (MEVGWYRSPFSRVVHLYRNGK) was purchased from Genemed Synthesis.
2008	Carl Jr. J	J. Immunol., Jul 2008; 181: 320 - 328.	Autoreactive T Cells Escape Clonal Deletion in the Thymus by a CD24-Dependent Pathway	Custom Peptides	MOG peptide 35-55 (MEVGWYRSPFSRVVHLYRNGK)
2008	Carpentier PA	Virology, Volume 375, Issue 1, 25 May 2008, Pages 24-36	Pro-inflammatory functions of astrocytes correlate with viral clearance and strain-dependent protection from TMEV-induced demyelinating disease	Custom Peptides	vp3(159-166), vp2 (121-130)
2008	Dinamarca M	Chemico-Biological Interactions, Volume 175, Issues 1-3, 25 September 2008, Pages 142-149	Release of acetylcholinesterase (AChE) from β-amyloid plaques assemblies improves the spatial memory impairments in APP-transgenic mice	Custom Peptides	A_1–42 peptide corresponding to the human sequence (Bachem Inc., Torrance, CA., lot no. T-20964amd and Genemed Synthesis Inc., South San Francisco, CA)
2008	Dinamarca MC	Chemico-Biological Interactions, In Press, Accepted Manuscript, Available online 27 May 2008	Release of Acetylcholinesterase (AChE) from β-amyloid plaques assemblies improves the Spatial Memory impairments in APP-transgenic mice	Custom Peptides	Ab(1-42) peptide
2008	Emami N	J. Biol. Chem., Feb 2008; 283: 3031 - 3041.	Human Kallikrein-related Peptidase 14 (KLK14) Is a New Activator Component of the KLK Proteolytic Cascade: POSSIBLE FUNCTION IN SEMINAL PLASMA AND SKIN	Custom Peptides	The synthetic heptapeptides were purchased from Genemed Synthesis (San Francisco, CA).
2008	Emami N	J. Biol. Chem., Feb 2008; 283: 3031 - 3041	Human Kallikrein-related Peptidase 14 (KLK14) Is a New Activator Component of the KLK Proteolytic Cascade: POSSIBLE FUNCTION IN SEMINAL PLASMA AND SKIN	Custom Oligo/DNA	N-Glu-Ser-Ser-Lys-Val-Leu-Asn-C, N-Asp-Glu-Asn-Lys-Ile-Ile-Gly-C, and N-Asp-Gly-Asp-Lys-Leu-Leu-Glu-C
2008	Fan T	J. Biol. Chem., Sep 2008; 283: 25468 - 25474.	PROTEIN STRUCTURE AND FOLDING: Characterization of Molecular Interactions between Eosinophil Cationic Protein and Heparin	Custom Peptides	RNase1 peptide MTQGRCKPVNK-biotin (R1), and HIV-TAT peptide YGRKKRRQRRRK-biotin (Tat) were purchased from Genemed Synthesis (South San Francisco, CA).
2008	Fan T-C	J. Biol. Chem., Jun 2008; doi:10.1074/jbc.M803516200	Characterization of molecular interactions between eosinophil cationic protein and heparin	Custom Peptides	RNase1 peptide MTQGRCKPVNK-biotin (R1), and HIV-TAT peptide YGRKKRRQRRRK-biotin (Tat)
2008	Fenske S	J. Biol. Chem., Jun 2008; doi:10.1074/jbc.M800029200	Overexpression of the PDZ1 domain of PDZK1 blocks the activity of hepatic scavenger receptor, class B, type I (SR-BI) by altering its abundance and cellular localization	Custom Peptides	30-mer amino-terminal peptide from the murine PDZK1 protein sequence, coupled to keyhole limpet hemocyanin (KLH)

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2008	Fenske S	J. Biol. Chem., Aug 2008; 283: 22097 - 22104.	LIPIDS AND LIPOPROTEINS: METABOLISM, REGULATION, AND SIGNALING: Overexpression of the PDZ1 Domain of PDZK1 Blocks the Activity of Hepatic Scavenger Receptor, Class B, Type I by Altering Its Abundance and Cellular Localization	Custom Peptide Antibodies	The rabbit polyclonal antibody was prepared against a 30-mer amino-terminal peptide from the murine PDZK1 protein sequence, coupled to keyhole limpet hemocyanin (Genemed Synthesis, South San Francisco, CA),
2008	Fernandes F	Biophys. J., Apr 2008; 94: 3065 - 3073	Role of Helix 0 of the N-BAR Domain in Membrane Curvature Generation	Custom Oligo/DNA	H0-NBAR-FITC(fluorescein isothiocyanate), and H0-ENTH(epsin N-terminal homology domain)
2008	Fioravante D	J. Neurosci., Oct 2008; 28: 10245 - 10256.	DEVELOPMENT/PLASTICITY/REPAIR: The Ubiquitin–Proteasome System Is Necessary for Long-Term Synaptic Depression in Aplysia	Custom Peptide Antibodies	both antibodies were raised by a commercial vendor (Genemed Synthesis)
2008	Guillén J	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1778, Issue 12, December 2008, Pages 2765-2774	Membrane insertion of the three main membranotropic sequences from SARS-CoV S2 glycoprotein	misc	
2008	Gutierrez M	J. Immunol., Aug 2008; 181: 2651 - 2663.	HOST DEFENSE: NF-B Activation Controls Phagolysosome Fusion-Mediated Killing of Mycobacteria by Macrophages	Custom Peptide Antibodies	Rabbit affinity-purified Ab anti-Rab34 was purchased from Genemed Synthesis and generated using a specific peptide.
2008	Hala M	PLANT CELL, May 2008; doi:10.1105/tpc.108.059105	An Exocyst Complex Functions in Plant Cell Growth in Arabidopsis and Tobacco	Custom Peptide Antibodies	Polyclonal anti-At SEC8 was raised by synthesis of a peptide (C-LREELARIDESWAAA) corresponding to amino acids 16 to 30 of the predicted Arabidopsis protein, conjugation of the peptide to KLH via the N-terminal Cys (C), immunization of rabbits using a standard protocol, and affinity purification of the antibody against the peptide on a column (Genemed Synthesis).
2008	Hála M	PLANT CELL, May 2008; 20: 1330 - 1345.	An Exocyst Complex Functions in Plant Cell Growth in Arabidopsis and Tobacco	Custom Peptide Antibodies	affinity purification of the antibody against the peptide on a column (Genemed Synthesis).
2008	Han E	Anticancer Res, Mar 2008; 28: 957 - 963.	Characterization of Akt Overexpression in MiaPaCa-2 Cells: Prohibitin Is an Akt Substrate both In Vitro and in Cells	Custom Peptides	Synthetic peptides (prohibitin sequence from 247 to 269) were generated by Genemed Synthesis (San Francisco, CA, USA).
2008	Hill J	J. Exp. Med., Apr 2008; 205: 967 - 979.	Arthritis induced by posttranslationally modified (citrullinated) fibrinogen in DR4-IE transgenic mice	Custom Peptides	Peptides used in these studies were synthesized and purified by the manufacturer (Genemed Synthesis).
2008	Hill JA	J. Exp. Med., Apr 2008; 205: 967 - 979	Arthritis induced by posttranslationally modified (citrullinated) fibrinogen in DR4-IE transgenic mice	Custom Peptides	Peptides used in these studies were synthesized and purified by the manufacturer (Genemed Synthesis).
2008	Hoppe M	The Journal of Nutritional Biochemistry, In Press, Corrected Proof, Available online 20 May 2008	Hepcidin, interleukin-6 and hematological iron markers in males before and after heart surgery	Custom Peptides	human hepcidin peptide,
2008	Hsu L	Cellular Signalling, Volume 20, Issue 7, July 2008, Pages 1303-1312	Zfra is an inhibitor of Bcl-2 expression and cytochrome c release from the mitochondria	misc	
2008	Hsu L-J	Cellular Signalling, Volume 20, Issue 7, July 2008, Pages 1303-1312	Zfra is an inhibitor of Bcl-2 expression and cytochrome c release from the mitochondria	Custom Peptides	full length Zfra peptide

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2008	Jang W	Antimicrob. Agents Chemother., Feb 2008; 52: 497 - 504.	The P-113 Fragment of Histatin 5 Requires a Specific Peptide Sequence for Intracellular Translocation in Candida albicans, Which Is Independent of Cell Wall Binding	Custom Peptides	The peptides (P-113 and P-113Q2.10) and N-terminal biotinlabeled peptides were synthesized by using standard solid-phase synthesis protocols and were purified by reversed-phase high-performance liquid chromatography by Genemed Synthesis Inc. (San Francisco, CA).
2008	Jang WS	Antimicrob. Agents Chemother., Feb 2008; 52: 497 - 504.	The P-113 Fragment of Histatin 5 Requires a Specific Peptide Sequence for Intracellular Translocation in Candida albicans, Which Is Independent of Cell Wall Binding	Custom Peptides	The peptides (P-113 and P-113Q2.10) and N-terminal biotin-labeled peptides were synthesized by using standard solid-phase synthesis protocols and were purified by reversed-phase high-performance liquid chromatography by Genemed Synthesis Inc. (San Francisco, CA).
2008	Karagianni P	Mol. Cell. Biol., Jan 2008; 28: 705 - 717	ICBP90, a Novel Methyl K9 H3 Binding Protein Linking Protein Ubiquitination with Heterochromatin Formation	Custom Peptides	Biotinylated histone tail peptides
2008	Karagianni P	Mol. Cell. Biol., Jan 2008; 28: 705 - 717.	ICBP90, a Novel Methyl K9 H3 Binding Protein Linking Protein Ubiquitination with Heterochromatin Formation	Custom Peptides	Biotinylated histone tail peptides were synthesized and purified by Genemed Synthesis Inc.
2008	Khan I	Clin. Vaccine Immunol., Mar 2008; 15: 433 - 438.	Profiling Antibodies to Mycobacterium tuberculosis by Multiplex Microbead Suspension Arrays for Serodiagnosis of Tuberculosis	Custom Peptides	Peptides representing Ag85B protein were obtained from Genemed Synthesis Inc. (San Antonio, TX).
2008	Khan IH	Clin. Vaccine Immunol., Mar 2008; 15: 433 - 438	Profiling Antibodies to Mycobacterium tuberculosis by Multiplex Microbead Suspension Arrays for Serodiagnosis of Tuberculosis	Custom Peptides	Ag85B peptides
2008	Kim M	J. Biol. Chem., Jul 2008; 283: 18711 - 18720.	MECHANISMS OF SIGNAL TRANSDUCTION: Protease-activated Receptor-2 Increases Exocytosis via Multiple Signal Transduction Pathways in Pancreatic Duct Epithelial Cells	Custom Peptides	corresponding to the tethered ligand of mouse PAR-2 and the reversed peptide (RP, N-LRGILS-C) were from Genemed Synthesis (South San Francisco, CA).
2008	Kim M-H	J. Biol. Chem., Apr 2008; doi:10.1074/jbc.M801655200	Protease-activated receptor-2 increases exocytosis via multiple signal transduction pathways in pancreatic duct epithelial cells	Custom Peptides	PAR-2 and the reversed peptide (RP, `N'-LRGILS-`C')
2008	Kim M-H	J. Biol. Chem., Jul 2008; 283: 18711 - 18720.	Protease-activated Receptor-2 Increases Exocytosis via Multiple Signal Transduction Pathways in Pancreatic Duct Epithelial Cells	Custom Peptides	reversed peptide (RP, N-LRGILS-C)
2008	Kobayashi M	PNAS, Jul 2008; 105: 10090 - 10094.	IMMUNOLOGY: Conserved T cell receptor -chain induces insulin autoantibodies	Custom Peptides	Peptides used for stimulation were high-performance liquid chromatography purified (>98%) and dissolved in sterile lipopolysaccharide-free saline at a neutral pH (Genemed Synthesis Inc.).
2008	Koga Y	Mol. Biol. Cell, Mar 2008; 19: 1062 - 1071.	A Novel Regulatory Mechanism of Myosin Light Chain Phosphorylation via Binding of 14-3-3 to Myosin Phosphatase	Custom Peptide Antibodies	rabbit anti-pSer472 polyclonal antibody (VIRSAphosphoSSPRLS: amino acids 467-477 of Rat MYPT1) were prepared by Genemed Synthesis (South San Francisco, CA)
2008	Koga Y	Mol. Biol. Cell, Mar 2008; 19: 1062 - 1071	A Novel Regulatory Mechanism of Myosin Light Chain Phosphorylation via Binding of 14-3-3 to Myosin Phosphatase	Custom Peptide Antibodies	anti-pSer472 polyclonal antibody
2008	Kornilayev B	Toxicology in Vitro, Volume 22, Issue 3, April 2008, Pages 779-787	Utility of polyclonal antibodies targeted toward unique tryptic peptides in the proteomic analysis of cytochrome P450 isozymes	Custom Peptide Antibodies	

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2008	Koulich E	Mol. Biol. Cell, Mar 2008; 19: 1072 - 1082	Relative Structural and Functional Roles of Multiple Deubiquitylating Proteins Associated with Mammalian 26S Proteasome	Custom Peptide Antibodies	anti-Usp14 polyclonal antibody
2008	Kursula I	Structure, Volume 16, Issue 11, 12 November 2008, Pages 1638-1648	Structural Basis for Parasite-Specific Functions of the Divergent Profilin of Plasmodium falciparum	Custom Peptides	The peptides PPPPPPPP (octaproline) and KKIPAPPPFLLKK (Genemed Synthesis) were dissolved in the dialysis buffer.
2008	Kursula P	Journal of Molecular Biology, Volume 375, Issue 1, 4 January 2008, Pages 270-290	High-resolution Structural Analysis of Mammalian Profilin 2a Complex Formation with Two Physiological Ligands: The Formin Homology 1 Domain of mDia1 and the Proline-rich Domain of VASP	Custom Peptides	VASP, mDia1
2008	Lass A	Experimental Cell Research, Volume 314, Issue 14, 15 August 2008, Pages 2715-2723	Analysis of Npl4 deletion mutants in mammalian cells unravels new Ufd1-interacting motifs and suggests a regulatory role of Npl4 in ERAD	misc	
2008	Lee C	Nucleic Acids Res., Aug 2008; 36: 4708 - 4718.	RNA: Human DDX3 functions in translation and interacts with the translation initiation factor eIF3	Custom Peptide Antibodies	A rabbit polyclonal antibody was raised against an N-terminal peptide [ENALGLDQQFAGLDLNSSDNQS (Genemed Synthesis, Inc., TX)]
2008	Leen A	J. Virol., Jan 2008; 82: 546 - 554	Identification of Hexon-Specific CD4 and CD8 T-Cell Epitopes for Vaccine and Immunotherapy	Custom Peptides	To identify the minimal epitope sequences, additional shorter peptides were obtained from Genemed Synthesis, Inc..
2008	Leen A	J. Virol., Jan 2008; 82: 546 - 554.	Identification of Hexon-Specific CD4 and CD8 T-Cell Epitopes for Vaccine and Immunotherapy	Custom Peptides	shorter peptides were obtained from Genemed Synthesis, Inc. (South San Francisco, CA)
2008	Liberman Z	Am J Physiol Endocrinol Metab, Jun 2008; 294: E1169 - E1177	Coordinated phosphorylation of insulin receptor substrate-1 by glycogen synthase kinase-3 and protein kinase CβII in the diabetic fat tissue	Custom Peptides	IRS-1 peptide
2008	Liberman Z	Am J Physiol Endocrinol Metab, Jun 2008; 294: E1169 - E1177.	Coordinated phosphorylation of insulin receptor substrate-1 by glycogen synthase kinase-3 and protein kinase CβII in the diabetic fat tissue	Custom Peptides	Synthetic IRS-1 peptide, based on the IRS-1 sequence RREGGMS332RPAS336VDG, was synthesized by Genemed Synthesis (San Francisco, CA)
2008	Lin K-W	The International Journal of Biochemistry & Cell Biology, Volume 40, Issues 6-7, June-July 2008, Pages 1379-1388	Protease-activated receptor-2 (PAR-2) is a weak enhancer of mucin secretion by human bronchial epithelial cells in vitro	Custom Peptides	PAR-2 activating peptide AP, and revers peptide control RP
2008	Linnoila J	Neuron, Volume 60, Issue 4, 26 November 2008, Pages 625-641	A Mammalian Homolog of Drosophila Tumorous Imaginal Discs, Tid1, Mediates Agrin Signaling at the Neuromuscular Junction	Custom Peptides	The Tid1 short-specific polyclonal antibody (anti-Tid1S) was generated by immunizing a rabbit with the last 20 residues in the C terminus of mouse Tid1S (VEGTVNGVTHTSTGKRSTGN) (Genemed Synthesis, San Francisco, CA).
2008	Liu F	FASEB J, May 2008; doi:10.1096/fj.07-104539	Overexpression of Dyrk1A contributes to neurofibrillary degeneration in Down syndrome	Custom Peptides	Dyn-atide 3
2008	Liu F	FASEB J, Sep 2008; 22: 3224 - 3233.	RESEARCH COMMUNICATIONS: Overexpression of Dyrk1A contributes to neurofibrillary degeneration in Down syndrome	Custom Peptides	Dynatide 3 was synthesized by Genemed Synthesis, Inc. (South San Francisco, CA, USA).
2008	Liu R	Mol. Cell. Biol., Dec 2008; 28: 7236 - 7244.	Laforin Negatively Regulates Cell Cycle Progression through Glycogen Synthase Kinase 3β-Dependent Mechanisms	Custom Peptide Antibodies	The primary antibodies were antilaforin (Genemed Synthesis, Inc., San Francisco, CA)

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2008	Liu R	J. Neurosci., Feb 2008; 28: 1970 - 1976.	cAMP Response Element-Binding Protein 1 Feedback Loop Is Necessary for Consolidation of Long-Term Synaptic Facilitation in Aplysia	Custom Peptide Antibodies	The anti-tCREB1 antibodies were raised by a commercial vendor (Genemed Synthesis, South San Francisco, CA)
2008	Liu R-Y	J. Neurosci., Feb 2008; 28: 1970 - 1976	cAMP Response Element-Binding Protein 1 Feedback Loop Is Necessary for Consolidation of Long-Term Synaptic Facilitation in Aplysia	Custom Peptide Antibodies	anti-tCREB1 antibodies
2008	Lorenzetti F	Neuron, Volume 59, Issue 5, 11 September 2008, Pages 815-828	Molecular Mechanisms Underlying a Cellular Analog of Operant Reward Learning	Custom Peptides	e peptide sequence KKRREILTRRPSYRK with Ser 85 (underlined) phosphorylated (Genemed Synthesis, San Francisco, CA).
2008	Lu L	Vaccine, Volume 26, Issue 6, 6 February 2008, Pages 845-852	V3 CTL epitope density in a single recombinant molecule antigen differentially affects the number and activity of primary and memory CD8+ T cells	Custom Peptides	
2008	Luo G	J. Biol. Chem., Apr 2008; 283: 10433 - 10444	The Sphingolipid Long-chain Base-Pkh1/2-Ypk1/2 Signaling Pathway Regulates Eisosome Assembly and Turnover	Custom Peptides	Pil1, Lsp1
2008	Luo G	J. Biol. Chem., Apr 2008; 283: 10433 - 10444.	METABOLISM, REGULATION, AND SIGNALING: The Sphingolipid Long-chain Base-Pkh1/2-Ypk1/2 Signaling Pathway Regulates Eisosome Assembly and Turnover	Custom Peptide Antibodies	Rabbit polyclonal antibodies were raised against the C terminus of Pil1 (CVGHQQSESLPQQTTA) and Lsp1 (CHHVSQNGHTSGSENI, Genemed Synthesis Inc., San Francisco, CA)
2008	Mangano K	Journal of Neuroimmunology, Volume 196, Issues 1-2, 30 May 2008, Pages 107-115	Preventive and curative effects of cyclophosphamide in an animal model of Guillain Barrè syndrome	Custom Peptides	myelin protein P0
2008	McGargill M	J. Immunol., Dec 2008; 181: 7593 - 7605.	CELLULAR IMMUNOLOGY AND IMMUNE REGULATION: Drak2 Regulates the Survival of Activated T Cells and Is Required for Organ-Specific Autoimmune Disease	Custom Peptides	A total of 1 106 cells was stimulated in vitro with 30 mug of MOG35-55 peptide (Genemed Synthesis) for 2 h.
2008	Miller C	Brain Research Bulletin, Volume 77, Issue 1, 5 September 2008, Pages 33-41	The high-affinity niacin receptor HM74A is decreased in the anterior cingulate cortex of individuals with schizophrenia	Custom Peptide Antibodies	); two polyclonal antibodies that were custom-generated through GeneMed Synthesis (South San Francisco, CA)
2008	Miller CL	Brain Research Bulletin, In Press, Uncorrected Proof, Available online 22 April 2008	The high-affinity niacin receptor HM74A is decreased in the anterior cingulate cortex of individuals with schizophrenia	Custom Peptide Antibodies	antibodies to distinguish HM74 and HM74 A
2008	Misra U	Cellular Signalling, Volume 20, Issue 8, August 2008, Pages 1459-1470	The cAMP-activated GTP exchange factor, Epac1 upregulates plasma membrane and nuclear Akt kinase activities in 8-CPT-2-O-Me-cAMP-stimulated macrophages: Gene silencing of the cAMP-activated GTP exchange Epac1 prevents 8-CPT-2-O-Me-cAMP activation of Akt activity in macrophages	Custom Peptides	Peptide substrates for Akt1Ser-473 kinase, NH2-RRPHFPQFSYSA-COOH, and for Akt1Thr-308 kinase, NH2-KTFCGTPEYLAPEVRR-COOH, were synthesized by Genemed, San Francisco, CA
2008	Mo C	J. Immunol., Oct 2008; 181: 5681 - 5690.	INFLAMMATION: Stat4 Isoforms Differentially Regulate Inflammation and Demyelination in Experimental Allergic Encephalomyelitis	Custom Peptides	The 21-aa peptide (MEVGWYRSPFSRVVHLYRNGK) corresponding to mouse MOGp35-55 was obtained from Genemed Synthesis
2008	Moreno MR	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1778, Issue 5, May 2008, Pages 1298-1307	Biophysical characterization and membrane interaction of the most membranotropic region of the HIV-1 gp41 endodomain	Custom Peptides	g terminal amide, n terminal acetylation

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2008	Myoung J	J. Virol., Jun 2008; 82: 5606 - 5617	Anticapsid Immunity Level, Not Viral Persistence Level, Correlates with the Progression of Theiler's Virus-Induced Demyelinating Disease in Viral P1-Transgenic Mice	miscl	All peptides were purchased from GeneMed Synthesis Inc. and were used as previously described
2008	Myoung J	J. Virol., Jun 2008; 82: 5606 - 5617.	PATHOGENESIS AND IMMUNITY: Anticapsid Immunity Level, Not Viral Persistence Level, Correlates with the Progression of Theiler's Virus-Induced Demyelinating Disease in Viral P1-Transgenic Mice	cp cab	Synthetic peptides and antibodies. All peptides were purchased from GeneMed Synthesis Inc.
2008	Nykamp K	RNA, Jul 2008; 14: 1378 - 1389.	C. elegans La-related protein, LARP-1, localizes to germline P bodies and attenuates Ras-MAPK signaling during oogenesis	Custom Peptides	synthetic keyhole-limpit-hemocyanin (KLH)-conjugated peptides
2008	Nykamp K	RNA, Jul 2008; 14: 1378 - 1389.	C. elegans La-related protein, LARP-1, localizes to germline P bodies and attenuates Ras-MAPK signaling during oogenesis	Custom Peptides	rats were injected with synthetic keyhole-limpit-hemocyanin (KLH)-conjugated peptides (Genemed Synthesis, Inc.)
2008	Park K	Cancer Res., Oct 2008; 68: 8400 - 8409.	IMMUNOLOGY: Insulin-like Growth Factor–Binding Protein-2 Is a Target for the Immunomodulation of Breast Cancer	Custom Peptides	IGFBP-2 peptides were synthesized by Genemed Synthesis, Inc.,
2008	Peremyslov V	Plant Physiology, Mar 2008; 146: 1109 - 1116.	Two Class XI Myosins Function in Organelle Trafficking and Root Hair Development in Arabidopsis	Custom Peptide Antibodies	Rabbit polyclonal antiserum against synthetic oligopeptide AFSEAEARNSELATELENA-TRKAD corresponding to the amino acid residues 936 to 959 of the deduced sequence of the Arabidopsis myosin XI-K was custom-made by Genemed Synthesis
2008	Peremyslov VV	Plant Physiology, Mar 2008; 146: 1109 - 1116	Two Class XI Myosins Function in Organelle Trafficking and Root Hair Development in Arabidopsis	Custom Oligo/DNA	amino acid residues 936 to 959 of the deduced sequence of the Arabidopsis myosin XI-K
2008	Perez-Berna A	Biochimica et Biophysica Acta (BBA) - Biomembranes, In Press, Uncorrected Proof, Available online 3 April 2008	The pre-transmembrane region of the HCV E1 envelope glycoprotein: Interaction with model membranes	Custom Peptides	E1PTM
2008	Pérez-Berná A	J. Biol. Chem., Mar 2008; 283: 8089 - 8101.	Identification of the Membrane-active Regions of Hepatitis C Virus p7 Protein: BIOPHYSICAL CHARACTERIZATION OF THE LOOP REGION	Custom Peptides	.the sequence 771 FFCAAWYIKGRLAPGAAY 788 (with NH 2 -terminal acetylation and COOH-terminal amidation) was obtained from Genemed Synthesis, San Francisco, CA
2008	Perez-Berna AJ	J. Biol. Chem., Mar 2008; 283: 8089 - 8101	Identification of the Membrane-active Regions of Hepatitis C Virus p7 Protein: BIOPHYSICAL CHARACTERIZATION OF THE LOOP REGION	Custom Peptides	771FFCAAWYIKGRLAPGAAY788 (with NH2-terminal acetylation and COOH-terminal amidation)
2008	Perez-Berna AJ		Interaction of the Most Membranotropic Region of the HCV E2 Envelope Glycoprotein with Membranes. Biophysical Characterization Biophys. J., Jun 2008; 94: 4737 - 4750.	Custom Peptides	peptide E2(fp)
2008	Pietrokovski R	Journal of Molecular Biology, Volume 383, Issue 5, 28 November 2008, Pages 999-1007	New Insights into the Autoinhibition Mechanism of Glycogen Synthase Kinase-3β	Custom Peptides	Peptides, including p9CREB, ILSRRPS(p)YR, pseudosubstrate peptide, and RPRTTS(p)FAES, were synthesized by Genemed Synthesis, Inc. (San Francisco,USA
2008	Pinthong M	Mol. Pharmacol., Mar 2008; 73: 801 - 812.	Activity and Subcellular Trafficking of the Sodium-Coupled Choline Transporter CHT Is Regulated Acutely by Peroxynitrite	Custom Peptide Antibodies	polyclonal antibody against CHT

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2008	Pinthong M	Mol. Pharmacol., Mar 2008; 73: 801 - 812.	Activity and Subcellular Trafficking of the Sodium-Coupled Choline Transporter CHT Is Regulated Acutely by Peroxynitrite	Custom Peptide Antibodies	The polyclonal antibody against CHT was raised in rabbits by Genemed Synthesis (San Francisco, CA)
2008	Quintarelli C	Blood, Jun 2008; doi:10.1182/blood-2008-04-150045	Cytotoxic T lymphocytes directed to the Preferentially Expressed Antigen of Melanoma (PRAME) target chronic myeloid leukemia	Custom Peptides	ELAGIGILTV (from MART-1)23, RMFPNAPYL (from Wilms tumor-1, WT-1)12, VLQELNVTV (PR1 peptide from PR3 protein)11, KVAELVHFL (from MAGE-A3)24, ILAKFLMWL and RLVDDFLLV (from human telomerase, hTERT)25;26 and YMDGTMSQV (from tyrosinase, Tyr)
2008	Quintarelli C	Blood, Sep 2008; 112: 1876 - 1885.	NEOPLASIA: Cytotoxic T lymphocytes directed to the preferentially expressed antigen of melanoma (PRAME) target chronic myeloid leukemia	Custom Peptides	All peptides were obtained from Genemed Synthesis (San Antonio, TX).
2008	Rennolds J	Mediated by the COPI Coat in Epithelial Cells J. Biol. Chem., Jan 2008; 283: 833 - 839.	Cystic Fibrosis Transmembrane Conductance Regulator Trafficking Is	Custom Peptides	SNAP-23
2008	Rennolds J	J. Biol. Chem., Jan 2008; 283: 833 - 839.	Cystic Fibrosis Transmembrane Conductance Regulator Trafficking Is Mediated by the COPI Coat in Epithelial Cells	Custom Peptides	1/2,000 for SNAP-23 produced for us by Genemed Synthesis
2008	Saenger Y	Cancer Res., Dec 2008; 68: 9884 - 9891.	IMMUNOLOGY: Improved Tumor Immunity Using Anti-Tyrosinase Related Protein-1 Monoclonal Antibody Combined with DNA Vaccines in Murine Melanoma	Custom Peptides	Peptides analyzed, including gp100/pmel 17 peptide gp10025-33, Tyrp1455-462, and Ova257-264 (SIINFEKL), were synthesized by Genemed Synthesis
2008	Sallum U	Antimicrob. Agents Chemother., Sep 2008; 52: 3006 - 3012.	MECHANISMS OF RESISTANCE: Inducible Resistance of Fish Bacterial Pathogens to the Antimicrobial Peptide Cecropin B	Custom Peptides	mature sequence of cecropin B with greater than 95 purity and was purchased from Genemed Synthesis Inc., San Antonio, TX.
2008	Sarangi P	J. Immunol., May 2008; 180: 6297 - 6306.	INFLAMMATION: IL-10 and Natural Regulatory T Cells: Two Independent Anti-Inflammatory Mechanisms in Herpes Simplex Virus-Induced Ocular Immunopathology	Custom Peptides	Cells were left untreated or stimulated with SSIEFARL peptide (HSVgB498-505; synthesized at Genemed Synthesis)
2008	Sarangi PP		IL-10 and Natural Regulatory T Cells: Two Independent Anti-Inflammatory Mechanisms in Herpes Simplex Virus-Induced Ocular Immunopathology J. Immunol., May 2008; 180: 6297 - 6306	Custom Peptides	SSIEFARL peptide
2008	Sherwood R	Eukaryot. Cell, Sep 2008; 7: 1460 - 1474.	Microtubule Motor Protein Kar3 Is Required for Normal Mitotic Division and Morphogenesis in Candida albicans	Custom Peptides	Alpha pheromone (GFRLTNFGYFEPG) was synthesized by Genemed Synthesis.
2008	Sherwood RK	Eukaryot. Cell, Jun 2008; doi:10.1128/EC.00138-08	The Microtubule Motor Protein Kar3 is Required for Normal Mitotic Division and Morphogenesis in Candida albicans	Custom Peptides	Alpha pheromone (GFRLTNFGYFEPG)
2008	Shi J	Journal of Autoimmunity, In Press, Corrected Proof, Available online 3 June 2008	Prevalence and significance of antibodies to citrullinated human papilloma virus-47 E2345–362 in rheumatoid arthritis	Custom Peptides	applied biosystems peptide synthesizer
2008	Shi J	Journal of Autoimmunity, Volume 31, Issue 2, September 2008, Pages 131-135	Prevalence and significance of antibodies to citrullinated human papilloma virus-47 E2345–362 in rheumatoid arthritis	Custom Peptides	E2345–362 and citrullinated E2345–362, in which arginine348 was substituted with citrulline, were synthesized, using solid-phase techniques on an Applied Biosystems Peptide Synthesizer (Genemed Synthesis, Inc., San Francisco, CA, USA)

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2008	Simsek-Duran	Neuropharmacology, Volume 55, Issue 1, July 2008, Pages 27-34	The role of RIM1α in BDNF-enhanced glutamate release	cap	pSer447-RIM1α antibody we have developed.
2008	Simsek-Duran F	Neuropharmacology, In Press, Corrected Proof, Available online 22 April 2008	The role of RIM1α in BDNF-enhanced glutamate release	Custom Peptides	R1M1a peptide
2008	Spinner D	J. Virol., Nov 2008; 82: 10701 - 10708.	PATHOGENESIS AND IMMUNITY: Accelerated Prion Disease Pathogenesis in Toll-Like Receptor 4 Signaling-Mutant Mice	Custom Peptides	Amplified products were sequenced by Genemed Synthesis (San Antonio, TX)
2008	Tuteja R	Molecular and Biochemical Parasitology, Volume 157, Issue 2, February 2008, Pages 137-147	Plasmodium falciparum signal peptidase is regulated by phosphorylation and required for intra-erythrocytic growth	Custom Peptides	Y(NO2)
2008	Valadares N	The Journal of Steroid Biochemistry and Molecular Biology, Volume 112, Issues 4-5, December 2008, Pages 205-212	Ligand induced interaction of thyroid hormone receptor beta with its coregulators	Custom Peptides	Peptides (>95% pure) were purchased from Genemed Synthesis Inc., San Antonio, USA.
2008	Van Laar VS	Neurobiology of Disease, Volume 29, Issue 3, March 2008, Pages 477-489	Proteomic analysis of rat brain mitochondria following exposure to dopamine quinone: Implications for Parkinson disease	Custom Peptide Antibodies	MtCK, anti-mitofilin antybody
2008	Victorino G	Am J Physiol Heart Circ Physiol, Nov 2008; 295: H2164 - H2171.	Ischemia-reperfusion injury in rats affects hydraulic conductivity in two phases that are temporally and mechanistically separate	Custom Peptides	Reverse and forward primers were obtained from Genemed Synthesis (South San Francisco, CA)
2008	Wang G	Antimicrob. Agents Chemother., Jun 2008; doi:10.1128/AAC.00452-08	Anti-HIV-1 Activity of Antimicrobial Peptides Derived from Human and Bovine Cathelicidins	Custom Peptides	20 synthetic peptides derived from human and bovine cathelicidins
2008	Wang G	J. Biol. Chem., Nov 2008; 283: 32637 - 32643.	MEMBRANE TRANSPORT, STRUCTURE, FUNCTION, AND BIOGENESIS: Structures of Human Host Defense Cathelicidin LL-37 and Its Smallest Antimicrobial Peptide KR-12 in Lipid Micelles	Custom Peptides	To facilitate peptide-lipid NOE observations, 2 m m synthetic LL-37 (>95% purity, Genemed Synthesis, TX)
2008	Wang G	Antimicrob. Agents Chemother., Sep 2008; 52: 3438 - 3440.	ANTIVIRAL AGENTS: Anti-Human Immunodeficiency Virus Type 1 Activities of Antimicrobial Peptides Derived from Human and Bovine Cathelicidins	Custom Peptides	Here, we report on the anti-HIV activities of 20 synthetic peptides (purity; Genemed Synthesis, Inc.) derived from human and bovine cathelicidins.
2008	Wang Y	Cancer Res., Jun 2008; 68: 4039 - 4044	Laforin Confers Cancer Resistance to Energy Deprivation–Induced Apoptosis	Custom Peptide Antibodies	anti-laforin polyclonal antibody
2008	Wang Y	Cancer Res., Jun 2008; 68: 4039 - 4044.	PRIORITY REPORTS: Laforin Confers Cancer Resistance to Energy Deprivation–Induced Apoptosis	Custom Peptide Antibodies	Anti-laforin polyclonal antibody was produced by Genemed Synthesis, Inc.
2008	Wi L	J. Biol. Chem., Mar 2008; 283: 6968 - 6978.	Identification of a New Co-factor, MOG1, Required for the Full Function of Cardiac Sodium Channel Nav1.5	Custom Peptide Antibodies	anti-MOG1 antibodies
2008	Winthrop K	Clin. J. Am. Soc. Nephrol., Jun 2008; doi:10.2215/CJN.01010208	Interferon gamma Release Assays for Diagnosing Mycobacterium tuberculosis Infection in Renal Dialysis Patients	Custom Peptides	Each peptide pool was comprised of 15 amino acid peptides, and each peptide overlapped by an 11-amino acid segment with the adjacent peptide (5 µg/peptide per ml; Genemed Synthesis, South San Francisco, CA).

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2008	Winthrop K	Clin. J. Am. Soc. Nephrol., Sep 2008; 3: 1357 - 1363.	DIAGNOSIS: Interferon- Release Assays for Diagnosing Mycobacterium tuberculosis Infection in Renal Dialysis Patients	Custom Peptides	Each peptide pool was comprised of 15 amino acid peptides, and each peptide overlapped by an 11-amino acid segment with the adjacent peptide (5 µg/peptide per ml; Genemed Synthesis, South San Francisco, CA)
2008	Witting P.K.	Thrombosis Research, In Press, Corrected Proof, Available online 16 April 2008	Polymorphonuclear leukocyte phagocytic function increases in plasminogen knockout mice	miscl	
2008	Wu L	J. Biol. Chem., Mar 2008; 283: 6968 - 6978.	Identification of a New Co-factor, MOG1, Required for the Full Function of Cardiac Sodium Channel Nav1.5	Custom Peptide Antibodies	Two anti-MOG1 antibodies were developed by GeneMed Synthesis, Inc.
2008	Ying J	Tsinghua Science & Technology, Volume 13, Issue 4, August 2008, Pages 433-438	Preliminary Evaluation of a Candidate Multi-Epitope-Vaccine Against the Classical Swine Fever Virus	Custom Peptides	Eleven overlapping peptides (BC1-BC5 and A1-A6) were commercially synthesized by Genemed Synthesis Inc. (USA)
2008	Yu Y	J. Biol. Chem., Sep 2008; 283: 24497 - 24505.	MECHANISMS OF SIGNAL TRANSDUCTION: Phosphorylation of Thr-178 and Thr-184 in the TAK1 T-loop Is Required for Interleukin (IL)-1-mediated Optimal NFB and AP-1 Activation as Well as IL-6 Gene Expression	Custom Peptide Antibodies	antibody was generated by immunizing rabbits with the synthetic phosphopeptide corresponding to amino acids VLKICDFGpTACDIQpTHM (where pT represents phosphothreonine) of human TAK1 by Genemed Synthesis,
2008	Yuan L	European Journal of Pharmaceutics and Biopharmaceutics, In Press, Accepted Manuscript, Available online 17 May 2008	Reversible lipidization of somatostatin analogues for the liver targeting	Custom Peptides	Tyr3-Octreotide
2008	Yuan L	European Journal of Pharmaceutics and Biopharmaceutics, Volume 70, Issue 2, October 2008, Pages 615-620	Reversible lipidization of somatostatin analogues for the liver targeting	misc	
2008	Zafra R	Journal of Comparative Pathology, Volume 139, Issue 4, November 2008, Pages 169-176	A Study of the Liver of Goats Immunized with a Synthetic Peptide of the Sm14 Antigen and Challenged with Fasciola hepatica	Custom Peptides	Each immunizing dose contained 80 mg of a synthetic peptide (NEKNSESKLTQ-C of the Sm14 antigen with a purity of 99% [Genemed Synthesis Inc., San Francisco, USA]
2008	Zhang H	J. Immunol., Oct 2008; 181: 4638 - 4647.	CELLULAR IMMUNOLOGY AND IMMUNE REGULATION: Intrinsic and Induced Regulation of the Age-Associated Onset of Spontaneous Experimental Autoimmune Encephalomyelitis	Custom Peptides	Peptides PLP139-151 (HSLGKWLGHPDKF) and OVA323-339 (ISQAVHAAHAEINEAGR) were purchased from Genemed Synthesis.
2008	Zhang Q	Peptides, Volume 29, Issue 2, February 2008, Pages 196-205	Diapause hormone in the corn earworm, Helicoverpa zea: Optimum temperature for activity, structure–activity relationships, and efficacy in accelerating flesh fly pupariation	Custom Peptides	Hevir-DH, Hezea-DH
2008	Zhang Y	J. Biol. Chem., May 2008; 283: 12730 - 12735	Identification of Regulatory Factor X as a Novel Mismatch Repair Stimulatory Factor	cp. Cab	Antibody, Antibody Depletion, and Western Blot-An antibody to EXO1
2008	Zhang Y	J. Biol. Chem., May 2008; 283: 12730 - 12735.	DNA: REPLICATION, REPAIR, RECOMBINATION, AND CHROMOSOME DYNAMICS: Identification of Regulatory Factor X as a Novel Mismatch Repair Stimulatory Factor	Custom Peptide Antibodies	Antibody, Antibody Depletion, and Western Blot-An antibody to EXO1 was generated by Genemed Synthesis (San Antonio, TX),

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2008	Zheng J	General and Comparative Endocrinology, Volume 155, Issue 3, 1 February 2008, Pages 780-788	Studies of a receptor guanylyl cyclase cloned from Y-organs of the blue crab (Callinectes sapidus), and its possible functional link to ecdysteroidogenesis	Custom Peptide Antibodies	antipeptide antibodies (anti-CsGC-YO1) were raised against a fragment of the extracellular domain of CsGC-YO1. Western blots showed affinity purified anti-CsGC-YO1 bound to the heterologously expressed extracellular domain, and to a protein in Y-organs that corresponded in size to the theoretical molecular mass of CsGC-YO1.
2009	Hama-Tomioka K	Anesth. Analg., Dec 2009; 109: 1935 - 1942.	NEUROSURGICAL ANESTHESIOLOGY AND NEUROSCIENCE: The Role of 20-Hydroxyeicosatetraenoic Acid in Cerebral Arteriolar Constriction and the Inhibitory Effect of Propofol	Custom Peptides	gp91ds-tat and sgp91ds-tat were synthesized by Genemed Synthesis (San Antonio, TX)
2009	Kota J	Science Translational Medicine, Nov 2009; 1: 6ra15.	RESEARCH ARTICLES: Follistatin Gene Delivery Enhances Muscle Growth and Strength in Nonhuman Primates	Custom Peptides	prepared for the AAV1 capsid (104 peptides) and human follistatin (48 peptides; Genemed Synthesis).
2009	Lin W	Biochemical and Biophysical Research Communications, Volume 379, Issue 4, 20 February 2009, Pages 1066-1071	The N-terminus of porcine circovirus type 2 replication protein is required for nuclear localization and ori binding activities	Custom Peptide Antibodies	Two oligonucleotides, CAGCGCACTTCGGCAGCGGCAG and GTCGCGTGAAG CCGTCGCCGTC, representing the positive and negative sense of the PCV2 ori sequence that is homologous to the minimal binding site (MBS) of PCV1 ori, were synthesized by Genemed Synthesis, Inc
2009	Oswald-Richter K	Infect. Immun., Sep 2009; 77: 3740 - 3748.	HOST RESPONSE AND INFLAMMATION: Cellular Responses to Mycobacterial Antigens Are Present in Bronchoalveolar Lavage Fluid Used in the Diagnosis of Sarcoidosis	Custom Peptides	Each peptide was synthesized by solid-phase Fmoc (9-fluorenylmethoxy carbonyl) chemistry (Genemed Synthesis, San Diego, CA)
2009	Pérez-Berná A	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1788, Issue 10, October 2009, Pages 2183-2193	Biophysical characterization of the fusogenic region of HCV envelope glycoprotein E1	Custom Peptides	The peptide E1FP corresponding to the sequence 274 AMYVGDLCGSIFLVSQLFT 291 from HCV strain 1B4J (with N-terminal acetylation and Cterminal amidation) was obtained from Genemed Synthesis, San Antonio, Texas
2009	Ahram D	The American Journal of Human Genetics, Volume 84, Issue 2, 13 February 2009, Pages 274-278	A Homozygous Mutation in ADAMTSL4 Causes Autosomal-Recessive Isolated Ectopia Lentis	CD	To determine the expression pattern of ADAMTSL4, firststrand cDNA libraries from an adult and fetal multipletissue human panel were obtained commercially (Genemed Biotechnologies, Inc; South San Francisco, CA).
2009	Antimicrob. Agents Chemother., Sep 2009; 53: 3705 - 3714.	Antimicrob. Agents Chemother., Sep 2009; 53: 3705 - 3714.	MECHANISMS OF ACTION: Lipid Segregation Explains Selective Toxicity of a Series of Fragments Derived from the Human Cathelicidin LL-37	Custom Peptides	The peptides with C-terminal amidation were synthesized and purified to by Genemed Synthesis, Inc. (San Antonio, TX).
2009	Bailey J	J. Virol., Jan 2009; 83: 88 - 97.	PATHOGENESIS AND IMMUNITY: Evidence of CD8+ T-Cell-Mediated Selective Pressure on Human Immunodeficiency Virus Type 1 nef in HLA-B*57+ Elite Suppressors	Custom Peptides	peptides were synthesized either at the Johns Hopkins oncology peptide synthesis facility or at Genemed Synthesis Inc. (San Antonio, TX)
2009	Bernard C	FEBS Letters, Volume 583, Issue 7, 2 April 2009, Pages 1084-1089	Interaction between the C-terminal domains of N and P proteins of measles virus investigated by NMR	Custom Peptides	the synthetic peptide DSRRSADALLRLQAMAGISEE (Genemed Synthesis, Inc.)
2009	Binder R	J. Immunol., Jun 2009; 182: 6844 - 6850.	CELLULAR IMMUNOLOGY AND IMMUNE REGULATION: CD40-Independent Engagement of Mammalian hsp70 by Antigen-Presenting Cells	Custom Peptides	AH1-19 (RVTYHSPSYVYHQFERRAK) and OVA-20 (SGLEQLESIINFEKLTEWTS) with the presented epitope underlined and were synthesized at Genemed Synthesis.

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2009	Bradford S	Journal of Inorganic Biochemistry, Volume 103, Issue 6, June 2009, Pages 871-875	Copper·Lys-Gly-His-Lys mediated cleavage of tRNAPhe: Studies of reaction mechanism and cleavage specificity	Custom Peptides	ATCUN motifs were purchased from Bachem (CA), or from Genemed Synthesis Inc. (South San Francisco, CA)
2009	Branham M	J. Biol. Chem., Sep 2009; 284: 24825 - 24839.	MECHANISMS OF SIGNAL TRANSDUCTION: Epac Activates the Small G Proteins Rap1 and Rab3A to Achieve Exocytosis	Custom Peptide Antibodies	The rabbit polyclonal antibodies against Epac were generated by Genemed Synthesis, Inc.
2009	Briski K	Neuroscience, Volume 164, Issue 3, 15 December 2009, Pages 1152-1160	In situ coexpression of glucose and monocarboxylate transporter mRNAs in metabolic-sensitive caudal dorsal vagal complex catecholaminergic neurons: transcriptional reactivity to insulin-induced hypoglycemia and caudal hindbrain glucose or lactate repletion during insulin-induced hypoglycemia	Custom Peptides	Forward and reverse primers for target genes were designed with Beacon Designer 5 software (Premier Biosoft Intl., Palo Alto, CA, USA), and obtained from Genemed Synthesis, Inc. (San Francisco, CA, USA)
2009	Burgoyne A	Cancer Res., Sep 2009; 69: 6960 - 6968.	EXPERIMENTAL THERAPEUTICS, MOLECULAR TARGETS, AND CHEMICAL BIOLOGY: Proteolytic Cleavage of Protein Tyrosine Phosphatase µ Regulates Glioblastoma Cell Migration	Custom Peptides	Peptides synthesized by Genemed Synthesis
2009	Chang M	Journal of Endodontics, Volume 35, Issue 4, April 2009, Pages 508-512	Prostaglandin F2α-Induced Interleukin-8 Production in Human Dental Pulp Cells Is Associated With MEK/ERK Signaling	Custom Peptides	Specific PCR primers for b-actin (BAC) and IL-8 were synthesized by Genemed Biotechnologies, Inc (San Francisco, CA).
2009	Chen Y	PNAS, Jan 2009; 106: 761 - 766.	BIOCHEMISTRY: PTMap—A sequence alignment software for unrestricted, accurate, and full-spectrum identification of post-translational modification sites	Custom Peptides	Synthetic peptides were synthesized by GL Biochem and Genemed Synthesis.
2009	Clayton E	J. Neurosci., Jun 2009; 29: 7706 - 7717.	CELLULAR/MOLECULAR: The Phospho-Dependent Dynamin–Syndapin Interaction Triggers Activity-Dependent Bulk Endocytosis of Synaptic Vesicles	Custom Peptides	Peptides were synthesized by Genemed Synthesis
2009	Cunningham D	Molecular Genetics and Metabolism, Volume 98, Issue 4, December 2009, Pages 356-366	Developmental expression pattern of the cholesterogenic enzyme NSDHL and negative selection of NSDHL-deficient cells in the heterozygous Bpa1H/+ mouse	Custom Peptide Antibodies	A rabbit polyclonal antiserum was generated using the peptide antigen DEAVERTVQSFHHLRKDK corresponding to amino acid residues 345–362 of mouse NSDHL (Genemed Synthesis, San Francisco, CA)
2009	Ding W	J. Biol. Chem., Mar 2009; 284: 6809 - 6817.	DNA: REPLICATION, REPAIR, RECOMBINATION, AND CHROMOSOME DYNAMICS: Inhibition of Poly(ADP-ribose) Polymerase-1 by Arsenite Interferes with Repair of Oxidative DNA Damage	Custom Peptides	...grasckkcsesipkdkvphwyhfscfwkv) derived from the first zinc finger of human PARP-1 (apoPARPzf) was commercially synthesized by Genemed Synthesis Inc., (San Antonio TX).
2009	Duan F	Cancer Res., Apr 2009; 69: 3545 - 3553.	IMMUNOLOGY: Immune Rejection of Mouse Tumors Expressing Mutated Self	Custom Peptides	Peptides were synthesized by Genemed Synthesis
2009	Escobar-Alvarez S	Journal of Molecular Biology, Volume 387, Issue 5, 17 April 2009, Pages 1211-1228	Structure and Activity of Human Mitochondrial Peptide Deformylase, a Novel Cancer Target	Custom Peptides	All peptide substrates were purchased from Genemed Synthesis (Genemed Synthesis, San Antonio TX). A
2009	Faghiri Z	FASEB J, Aug 2009; 23: 2780 - 2789.	RESEARCH COMMUNICATIONS: The role of tegumental aquaporin from the human parasitic worm, Schistosoma mansoni, in osmoregulation and drug uptake	Custom Peptides	NH2-KSDFVVDVDYDDSHRDG-COOH, comprising a sequence at the carboxyl terminus of SmAQP corresponding to aa 279-295, was synthesized by Genemed Synthesis, Inc. (San Antonio, TX, USA).
2009	Farías G	J. Biol. Chem., Jun 2009; 284: 15857 - 15866.	MECHANISMS OF SIGNAL TRANSDUCTION: Wnt-5a/JNK Signaling Promotes the Clustering of PSD-95 in Hippocampal	Custom Peptides	Reagents Formylated hexapeptide was obtained from Genemed Synthesis, Inc. (South San Francisco, CA)

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
			Neurons		
2009	Hao G	Journal of the American Society for Mass Spectrometry, Volume 20, Issue 4, April 2009, Pages 723-727	Neutral Loss of Isocyanic Acid in Peptide CID Spectra: A Novel Diagnostic Marker for Mass Spectrometric Identification of Protein Citrullination	Custom Peptides	Citrullinated reference peptides standard, including NH2 - AA{Cit}AA-COOH, NH2 -AARAA-COOH, histone H4 peptide (residues 15–26) NH2 -AK{Cit}H{Cit}KVL{Cit}DNIcysteine-COOH, and human NPM peptide (residues 195–202) NH2 -SIRDTPAK-COOH were synthesized by Genemed Syn. (San Francisco, CA)
2009	Hayashi T	PNAS, Feb 2009; 106: 2764 - 2769.	IMMUNOLOGY: Prevention of autoimmune disease by induction of tolerance to Toll-like receptor 7	Custom Peptides	Mice were immunized with 125 g of myelin oligodendrocyte glycoprotein (MOG) 35-55 (Genemed Synthesis)
2009	Hirschhorn-Cymerman D	J. Exp. Med., May 2009; 206: 1103 - 1116.	OX40 engagement and chemotherapy combination provides potent antitumor immunity with concomitant regulatory T cell apoptosis	Custom Peptides	Peptides were synthesized by Genemed Synthesis, Inc.
2009	Hofacre A	J. Virol., Dec 2009; 83: 12483 - 12498.	GENOME REPLICATION AND REGULATION OF VIRAL GENE EXPRESSION: Jaagsiekte Sheep Retrovirus Encodes a Regulatory Factor, Rej, Required for Synthesis of Gag Protein	Custom Peptides	The anti-CA hybridoma was generated by a commercial source (Genemed Synthesis, Inc.) using bacterially expressed JSRV CA protein.
2009	Hong B	Cancer Res., Oct 2009; 69: 8076 - 8084.	IMMUNOLOGY: Human Suppressor of Cytokine Signaling 1 Controls Immunostimulatory Activity of Monocyte-Derived Dendritic Cells	Custom Peptides	E2 protein peptide (RLWHYPCTI) were synthesized and purified by high-performance liquid chromatography to purity by Genemed Synthesis, Inc.
2009	Hoppe M	The Journal of Nutritional Biochemistry, Volume 20, Issue 1, January 2009, Pages 11-16	Hepcidin, interleukin-6 and hematological iron markers in males before and after heart surgery	Custom Peptides	. Human hepcidin peptide (DTNFPICLFCCKCCKNSSCGLCCIT) was synthesized with an additional cysteine residue at the C terminus for conjugation to keyhole limpet hemocyanin (Genemed Synthesis, San Francisco, CA, USA).
2009	Hou W	J. Exp. Med., Feb 2009; 206: 313 - 328.	Th17 cells enhance viral persistence and inhibit T cell cytotoxicity in a model of chronic virus infection	Custom Peptides	All peptides were synthesized by GeneMed Synthesis Inc
2009	Hsu K	Mol. Biol. Cell, Dec 2009; 20: 5127 - 5137.	MBP-1 Suppresses Growth and Metastasis of Gastric Cancer Cells through COX-2	Custom Peptides	the synthetic peptide GCPLPSAKLVPLRRG (amino acid residues 16-30 of MBP-1) was processed to immunize rabbits by Genemed Synthesis.
2009	Hsu L	J. Biol. Chem., Jun 2009; 284: 16049 - 16059.	MECHANISMS OF SIGNAL TRANSDUCTION: Transforming Growth Factor β1 Signaling via Interaction with Cell Surface Hyal-2 and Recruitment of WWOX/WOX1	Custom Peptides	a synthetic peptide of murine Hyal-2, NH 2 -CPDVEVARNDQLAWL-COOH (amino acids 227-241) was made (Genemed Synthesis)
2009	Jin W	Blood, Jun 2009; 113: 6603 - 6610.	IMMUNOBIOLOGY: Regulation of Th17 cell differentiation and EAE induction by MAP3K NIK	Custom Peptides	myelin oligodendrocyte glycoprotein (MOG) was purchased from Genemed Synthesis Inc. (San Francisco, CA, 95% purity).
2009	Jou M	J. Nutr., May 2009; 139: 835 - 841.	BIOCHEMICAL, MOLECULAR, AND GENETIC MECHANISMS: Tissue-Specific Alterations in Zinc Transporter Expression in Intestine and Liver Reflect a Threshold for	Custom Peptides	fragments for Zip1 (FLVLVMEQITLAYKEQSGPSPLEETRAL LGTVNGGPQHWHDGGVPQASGAPATP SAP) and Zip4 (CAEETPELLNPETRRL) were synthesized by Genemed Synthesis

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
			Homeostatic Compensation during Dietary Zinc Deficiency in Weanling Rats		
2009	Kang Q	J. Cell Sci., Apr 2009; 122: 1091 - 1099.	RESEARCH ARTICLES: A Golgi-associated protein 4.1B variant is required for assimilation of proteins in the membrane	Custom Peptide Antibodies	Antibodies All anti-4.1 antibodies were raised in rabbits at Genemed Synthesis.
2009	Keren I	RNA, Dec 2009; 15: 2299 - 2311.	AtnMat2, a nuclear-encoded maturase required for splicing of group-II introns in Arabidopsis mitochondria	Custom Peptides	The purified protein was dialyzed against buffer containing 20 mM Tris-HCl at pH 6.8, and injected into rabbits for the production of polyclonal antisera (Genemed Synthesis Inc.).
2009	Kim K	Developmental Cell, Volume 16, Issue 5, 19 May 2009, Pages 723-733	Antagonism between GLD-2 Binding Partners Controls Gamete Sex	Custom Peptides	To generate a-RNP-8 polyclonal antibodies (Cocalico Biologicals),rats and rabbits were injected with a Keyhole-limpet-hemocyanin-conjugated peptide (Genemed Synthesis)
2009	Kuo	Journal of Controlled Release, Volume 139, Issue 3, 3 November 2009, Pages 197-204	Interactions between octaarginine and U-937 human macrophages: Global gene expression profiling, superoxide anion content, and cytokine production	CD	The octaarginine (RRRRRRRR; R8) and fluorescein-labeled octaarginine used in this study were purchased from Genemed Synthesis, Inc. (San Antonio, TX, USA).
2009	Kwon W	Cancer Letters, Volume 277, Issue 2, 18 May 2009, Pages 155-163	G-T haplotype (2677G > T/A and 3435C > T) of ABCB1 gene polymorphisms is associated with ethnic differences to paclitaxel sensitivity in cancer cells with different gene expression pattern	misc	
2009	LaSala D	Analytical Biochemistry, Volume 394, Issue 1, 1 November 2009, Pages 56-61	Coexpression of CYP11B2 or CYP11B1 with adrenodoxin and adrenodoxin reductase for assessing the potency and selectivity of aldosterone synthase inhibitors	CD	Human adrenal gland GETRare full-length cDNA was obtained from Genemed Synthesis (San Francisco, CA).
2009	Liew C	FEBS Letters, Volume 583, Issue 1, 5 January 2009, Pages 49-54	Interaction of the human somatostatin receptor 3 with the multiple PDZ domain protein MUPP1 enables somatostatin to control permeability of epithelial tight junctions	misc	
2009	Liu Y	Hum. Mol. Genet., Jul 2009; 18: 2622 - 2631.	Deletions and missense mutations of EPM2A exacerbate unfolded protein response and apoptosis of neuronal cells induced by endoplasm reticulum stress	Custom Peptides	and laforin (produced by Genemed Synthesis, Inc., San Francisco, CA, USA)
2009	Loftus J	Mol. Cancer Ther., Jun 2009; 8: 1505 - 1514.	RESEARCH ARTICLES: The Pyk2 FERM domain as a target to inhibit glioma migration	Custom Peptides	The MTS peptide (KGEGAAVLLPVLLAAPG) was obtained from Genemed Synthesis.
2009	Louis C	Blood, Mar 2009; 113: 2442 - 2450.	IMMUNOBIOLOGY: Enhancing the in vivo expansion of adoptively transferred EBV-specific CTL with lymphodepleting CD45 monoclonal antibodies in NPC patients	Custom Peptides	The following peptides (Genemed Synthesis, San Francisco, CA),
2009	McKee	J. Immunol., Oct 2009; 183: 4403 - 4414.	CELLULAR IMMUNOLOGY AND IMMUNE REGULATION: Alum Induces Innate Immune Responses through Macrophage and Mast Cell Sensors, But These Sensors Are Not Required for Alum to Act As an Adjuvant for Specific Immunity	Custom Peptides	a cysteine linked 3K peptide (FEAQKAKANKAVDGGGC) purchased from Genemed Synthesis.
2009	Melo M	Journal of Molecular Biology, Volume 392, Issue 3, 25 September 2009, Pages 736-746	Interaction of the Dengue Virus Fusion Peptide with Membranes Assessed by NMR: The Essential Role of the Envelope Protein Trp101 for Membrane Fusion	Custom Peptides	The peptides were purchased from Genemed Synthesis, Inc. (South San Francisco, CA, USA).

Year	Author	Journal	Title	Product & Service Category	Products or Services Provided by GSI
2009	Morales J	The American Journal of Human Genetics, Volume 85, Issue 5, 13 November 2009, Pages 558-568	Homozygous Mutations in ADAMTS10 and ADAMTS17 Cause Lenticular Myopia, Ectopia Lentis, Glaucoma, Spherophakia, and Short Stature	CD	First-strand cDNA libraries from multiple human adult and fetal tissues were obtained commercially (Genemed Synthesis, South San Francisco, CA
2009	Mora-Pale M	Bioorganic & Medicinal Chemistry, Volume 17, Issue 14, 15 July 2009, Pages 5146-5152	Inhibition of human vascular NADPH oxidase by apocynin derived oligophenols	Custom Peptides	A proline-rich p22phox peptide N-151PPSNPPPRPPAEARK165-C, which was biotinalyted at the N-terminus and amidated at the Cterminus was obtained from Genemed Synthesis Inc. (South San Francisco, CA). T
2009	Mruk D	Biol Reprod, Mar 2009; 80: 590 - 601.	TESTIS: RAB13 Participates in Ectoplasmic Specialization Dynamics in the Rat Testis	Custom Peptides	This peptide, which shared no significant homologies with any protein except RAB13 when compared to the existing protein database at GenBank, was purified by HPLC, microsequenced, conjugated to keyhole limpet hemocyanin, and used for immunization of two female rabbits (Genemed Synthesis Inc., San Francisco, CA).
2009	Pao-Chun L	J. Biol. Chem., Dec 2009; 284: 34954 - 34963.	MECHANISMS OF SIGNAL TRANSDUCTION: Cytoplasmic ACK1 Interaction with Multiple Receptor Tyrosine Kinases Is Mediated by Grb2: AN ANALYSIS OF ACK1 EFFECTS ON Axl SIGNALING	Custom Peptides	Tyr 703 residues of the Axl activation loop was synthesized: Ac-CKIYNGDpYpYRQGR (where pY represents phosphotyrosine; Genemed Synthesis, Inc.)
2009	Passarella r	Clin. Cancer Res., Oct 2009; 15: 6421 - 6429.	IMAGING, DIAGNOSIS, PROGNOSIS: Recombinant Peptides as Biomarkers for Tumor Response to Molecular Targeted Therapy	Custom Peptides	Biotinylated-KKGGGEGEVGLG synthetic peptide was purchased from Genemed Synthesis, Inc.
2009	Penuela S	Mol. Biol. Cell, Oct 2009; 20: 4313 - 4323.	Glycosylation Regulates Pannexin Intermixing and Cellular Localization	cp, CAB	generate site-directed rabbit polyclonal antibodies by Genemed Synthesis (San Antonio, TX). Specific peptides (Table 1) were synthesized...affinity purified against the corresponding peptides by Genemed Synthesis (Table 1)
2009	Posnett D	Vaccine, Volume 27, Issue 7, 11 February 2009, Pages 1093-1100	Development of effective vaccines for old mice in a tumor model	Custom Peptides	Peptides were synthesized and purified by HPLC to >80% purity by GeneMed Synthesis, Inc. (San Francisco, CA).
2009	Pusateri C	Archives of Oral Biology, Volume 54, Issue 6, June 2009, Pages 588-594	Sensitivity of Candida albicans biofilm cells grown on denture acrylic to antifungal proteins and chlorhexidine	Custom Peptides	precoating Lucitone disks with either of the following: (1) 0.12% chlorhexidine gluconate (PerioGard, Colgate-Palmolive, New York, NY); (2) 50 mM Hst 5 (synthesized by GeneMed Synthesis, Inc., San Antonio, TX);
2009	Raymond J	Cryobiology, Volume 58, Issue 2, April 2009, Pages 151-156	Ice-binding proteins from enoki and shiitake mushrooms	Custom Peptides	(STAFTDAAGRSDPDFLE), was affinity purified by GeneMed (South San Francisco, CA).
2009	Schowalter R	J. Virol., Feb 2009; 83: 1511 - 1522.	VIRUS-CELL INTERACTIONS: Low-pH Triggering of Human Metapneumovirus Fusion: Essential Residues and Importance in Entry	Custom Peptide Antibodies	Antipeptide antibodies (Genemed Synthesis, San Francisco, CA) were generated using amino acids 524 to 538 of HMPV F. Viruses
2009	Stanisic V	J. Biol. Chem., Jun 2009; 284: 16135 - 16145.	PROTEIN SYNTHESIS, POST-TRANSLATIONAL MODIFICATION, AND DEGRADATION: OTU Domain-containing Ubiquitin Aldehyde-binding Protein 1 (OTUB1) Deubiquitinates Estrogen Receptor (ER) and Affects ERTranscriptional Activity	Custom Peptide Antibodies	Antibody against human OTUB1 was custom produced and assayed by Genemed Synthesis, Inc.
2009	Suazo M	Biochemical and Biophysical Research Communications, Volume 382, Issue 4, 15 May 2009, Pages 740-	Overexpression of amyloid precursor protein increases copper content in HEK293 cells	Custom Peptides	Human CuBRD (APP135–155) synthetic peptides were from Genemed Biotechnologies, Inc. (San Francisco, CA)

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		744			
2009	Sun Y	Cell, Volume 137, Issue 1, 3 April 2009, Pages 123-132	Separase Is Recruited to Mitotic Chromosomes to Dissolve Sister Chromatid Cohesion in a DNA-Dependent Manner	Custom Peptide Antibodies	A polyclonal antibody to the C terminus of SCC1 (CEPYSDIIATPGPRFH) was custom produced by Genemed Synthesis (CA) and affinity-purified.
2009	Teixeira P	Biophysical Journal, Volume 96, Issue 3, 4 February 2009, Pages 951-963	Predictions Suggesting a Participation of β-Sheet Configuration in the M2 Domain of the P2X7 Receptor: A Novel Conformation?	Custom Peptides	The peptide sequence was FGIRFDILVFGTGGKFDIIQLVVY (ADSEG, residues 313–336). The ADSEG peptide was synthesized by Genemed Synthesis (San Francisco, CA).
2009	Van Laar V	Neurobiology of Disease, Volume 34, Issue 3, June 2009, Pages 487-500	Proteomic identification of dopamine-conjugated proteins from isolated rat brain mitochondria and SH-SY5Y cells	Custom Peptide Antibodies	. The MtCK and mitofilin polyclonal antibodies used in this study were generated for our laboratory by Genemed Synthesis, Inc. (San Antonio, TX).
2009	Vasudevan S	Mol. Cancer Ther., Aug 2009; 8: 2478 - 2489.	RESEARCH ARTICLES: Neuroblastoma-derived secretory protein is a novel secreted factor overexpressed in neuroblastoma	Custom Peptide Antibodies	anti-NDSP antibodies (anti-NDSP-Ab1 and -Ab2, generated by Genemed Synthesis, Inc.);
2009	White E	Mol. Endocrinol., Jul 2009; 23: 1115 - 1123.	ORIGINAL RESEARCH: Pharmacochaperone-Mediated Rescue of Calcium-Sensing Receptor Loss-of-Function Mutants	Custom Peptide Antibodies	.the presence of CaSR was detected with anti-CaSR polyclonal antibody (LRG, 1:2000, or ADD, 1:1000; custom-generated by Genemed Synthesis, Inc., San Antonio, TX)
2009	Wright A	PLANT CELL, Jan 2009; 21: 234 - 247.	RESEARCH ARTICLES: discordia1 and alternative discordia1 Function Redundantly at the Cortical Division Site to Promote Preprophase Band Formation and Orient Division Planes in Maize	Custom Peptide Antibodies	used to generate two rabbit polyclonal antibodies (Genemed Synthesis).
2009	Xu J	Journal of Virological Methods, Volume 158, Issues 1-2, June 2009, Pages 70-76	A model for testing the immunogenicity of simian immunodeficiency virus and simian–human immunodeficiency virus vaccine candidates in mice	Custom Peptides	All other peptides were synthesized by Genemed Synthesis, Inc. (South Francisco,CA)
2009	Zafra R	Research in Veterinary Science, Volume 87, Issue 2, October 2009, Pages 226-232	Study of the local immune response to Fasciola hepatica in the liver and hepatic lymph nodes of goats immunised with a peptide of the Sm14 antigen	Custom Peptides	Immunization was carried out in three doses (80 lg each) of a synthetic peptide: N-EKNSESKLTQ-C of the Sm14 antigen with a purity of 99% (Genemed Synthesis Inc, San Francisco, USA
2009	Zhou Y	Biosensors and Bioelectronics, Volume 24, Issue 11, 15 July 2009, Pages 3275-3280	Potentiometric monitoring DNA hybridization	CD	The oligonucleotides were purchased from Genemed Synthesis Inc
2010	De Genst E	Journal of Molecular Biology, Volume 402, Issue 2, 17 September 2010, Pages 326-343	Structure and Properties of a Complex of α-Synuclein and a Single-Domain Camelid Antibody	Custom Peptides	Titrations of full-length 14 N α-synuclein and a 14N 12-residue peptide, N-SEEGYQDYEPEA-C (Genemed Synthesis Inc., New York, USA), were carried out with 15N-labeled NbSyn2 at 0.3 mM in 20 mM phosphate buffer, pH 7.4, at 298 and 283 K.
2010	Epand R	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1798, Issue 6, June 2010, Pages 1272-1280	Lipid clustering by three homologous arginine-rich antimicrobial peptides is insensitive to amino acid arrangement and induced secondary structure Original Research Article	Custom Peptides	. The peptide KR-12 was synthesized and purified to N95% by Genemed Synthesis, Inc. (San Antonio, TX)
2010	Lee H	International Journal of Biological Macromolecules, Volume 47, Issue 2, 1 August 2010, Pages 104-108	Cleavage of the retinal pigment epithelium-specific protein RPE65 under oxidative stress	misc	

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2010	O'Connell K	J. Virol., Jul 2010; 84: 7018 - 7028.	PATHOGENESIS AND IMMUNITY: Control of HIV-1 in Elite Suppressors despite Ongoing Replication and Evolution in Plasma Virus	Custom Peptides	The peptides were synthesized at Genemed Synthesis Inc. (San Antonio, TX).
2010	Rahman A	Analytica Chimica Acta, Volume 681, Issues 1-2, 29 November 2010, Pages 49-55	Absolute quantification method and validation of airborne snow crab allergen tropomyosin using tandem mass spectrometry	Custom Peptides	Standard signature peptide, SQLVENELDHAQEQLSAATHK (purity > 95.3%; molar mass = 2348.53 Da) and its deuterated isotopic homolog using d3-l-alanine- (purity > 97.1%; molar mass = 2357.53 Da) were purchased from GeneMed Synthesis (San Francisco, CA, USA).
2010	Say E	Molecular Cell, Volume 38, Issue 2, 23 April 2010, Pages 236-249	A Functional Requirement for PAK1 Binding to the KH(2) Domain of the Fragile X Protein-Related FXR1	cap	Active PAK1 can phosphorylate FXR1 at Ser420; antibodies to this site show increased phosphorylation when fragile X proteins are recruited to stress granules
2010	Stepanchick A	Biochemical and Biophysical Research Communications, Volume 395, Issue 1, 23 April 2010, Pages 136-140	The cargo receptor p24A facilitates calcium sensing receptor maturation and stabilization in the early secretory pathway	Custom Peptide Antibodies	probed with anti-CaSR polyclonal antibodies (LRG, 1:2000, Genemed Synthesis, Inc.)
2010	Alby K	Eukaryot. Cell, Nov 2010; 9: 1690 - 1701.	Identification of a Cell Death Pathway in Candida albicans during the Response to Pheromone	Custom Peptides	. SCD medium refers to synthetic complete medium supplemented with 2% glucose. _ pheromone MF13 (GFRLTNFGYFEPG) was synthesized by Genemed Synthesis
2010	Al-Hashimi A	J. Biol. Chem., Sep 2010; 285: 28912 - 28923.	MOLECULAR BASES OF DISEASE: Binding of Anti-GRP78 Autoantibodies to Cell Surface GRP78 Increases Tissue Factor Procoagulant Activity via the Release of Calcium from Endoplasmic Reticulum Stores	Custom Peptides	Both chemicals were diluted to a final concentration of 5-10 m in 1· TBS. The CNVKSDKSC peptide (GeneMed Synthesis, San Antonio, TX)
2010	Bachar R	Cardiovasc Res, Nov 2010; 88: 360 - 366.	Humanin is expressed in human vascular walls and has a cytoprotective effect against oxidized LDL-induced oxidative stress	Custom Peptides	scrambled HN peptide were synthesized by Peptide International (Louisville, KY, USA) or Genemed Synthesis Biotechnologies (South San Francisco, CA, USA)
2010	Barriga-Montoya C	Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology, Volume 157, Issue 4, December 2010, Pages 338-345	Effect of pigment dispersing hormone on the electrical activity of crayfish visual photoreceptors during the 24-h cycle	Custom Peptides	PDH solution was obtained by dissolving the hormone (sequence NSELINSILGLPKVMNEA, purchased from Genemed Synthesis, Inc.) in VH solution at a 1-nM concentration
2010	Bergamin E	Molecular Cell, Volume 39, Issue 1, 9 July 2010, Pages 100-109	The Cytoplasmic Adaptor Protein Dok7 Activates the Receptor Tyrosine Kinase MuSK via Dimerization	Custom Peptides	A 13-residue phosphopeptide representing the region encompassing MuSK Tyr553, Ac-LDRLHPNPMpYQRM, was synthesized (Genemed Synthesis) and solubilized in 100 mM Tri-HCl (pH 8.0) and 150 mM NaCl.
2010	Black S	Neuroscience, Volume 167, Issue 3, 19 May 2010, Pages 765-773	Rapid, transient effects of the protein kinase C activator phorbol 12-myristate 13-acetate on activity and trafficking of the rat high-affinity choline transporter	Custom Peptides	. Polyclonal CHT antibody was raised in rabbits against a peptide encoding 16 residues conserved at the carboxyl-terminus of human and rat CHT [DVDSSPEGSGTEDNLQ] (Genemed Synthesis, San Antonio, TX, USA)
2010	Botten J	J. Virol., Oct 2010; 84: 9947 - 9956.	VACCINES AND ANTIVIRAL AGENTS: A Multivalent Vaccination Strategy for the Prevention of Old World Arenavirus Infection in Humans	Custom Peptides	Peptides (pure) were obtained from Genemed Synthesis, Inc. (South San Francisco, CA).

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2010	Cao Y	Tsinghua Science & Technology, Volume 15, Issue 4, August 2010, Pages 447-451	Characterization of Antibody Responses Against the 2F5 Epitope ELDKWA sing HIV-1 Env-Mediated Membrane Fusion and Neutralization Assays	Custom Peptides	. The ELDKWA epitope bearing peptide P1 (CELDKWAG-ELDKWA) and the C-domain peptide P2 (CELD-KWASLWNWFNIT) were commercially synthesized by Genemed Synthesis Inc (California, USA).
2010	Castillo J	J. Biol. Chem., Aug 2010; 285: 26269 - 26278.	DEVELOPMENTAL BIOLOGY: Calcineurin-mediated Dephosphorylation of Synaptotagmin VI Is Necessary for Acrosomal Exocytosis	Custom Peptides	phosphorylated synaptotagmin VI (antiPStg) was raised against RRLKKKKTTIKKNTL, phosphorylated in the second T, by Genemed Synthesis (San Francisco, CA).
2010	Cavanaugh A	J. Biol. Chem., Jun 2010; 285: 19854 - 19864.	CELL BIOLOGY: Calcium-sensing Receptor Biosynthesis Includes a Cotranslational Conformational Checkpoint and Endoplasmic Reticulum Retention	Custom Peptide Antibodies	CaSR was detected on the upper portion with rabbit polyclonal anti-LRG antibody (1:2000; custom-generated by Genemed Synthesis, Inc. against LRG epitope residues 374-391),
2010	Chang M	Biomaterials, Volume 31, Issue 32, November 2010, Pages 8164-8171	The role of reactive oxygen species and hemeoxygenase-1 expression in the cytotoxicity, cell cycle alteration and apoptosis of dental pulp cells induced by BisGMA	misc	
2010	Cmejla R	Biochemical and Biophysical Research Communications, Volume 395, Issue 2, 30 April 2010, Pages 163-167	Human MRCKα is regulated by cellular iron levels and interferes with transferrin iron uptake	Custom Peptide Antibodies	e. For the detection of MRCKa, a custom-made affinity purified rabbit antibody (Genemed Synthesis, TX, USA) was used at a dilution of 1:200 in PBS with 5% low-fat milk,
2010	Cuitino L	J. Neurosci., Jun 2010; 30: 8411 - 8420.	CELLULAR/MOLECULAR: Wnt-5a Modulates Recycling of Functional GABAA Receptors on Hippocampal Neurons	Custom Peptides	Foxy-5 was obtained from Genemed Synthesis; Lithium, BDNF, 3,3-tetramethylbenzidine (TMB), Immuno...Foxy-5) derived from the sequence of the Wnt-5a ligand (Genemed Synthesis).
2010	Cunningham D	Hum. Mol. Genet., Jan 2010; 19: 364 - 373.	Significant contributions of the extraembryonic membranes and maternal genotype to the placental pathology in heterozygous Nsdhl deficient female embryos	Custom Peptide Antibodies	Immunologic studies Polyclonal rabbit antisera were raised commercially (Genemed Synthesis, San Francisco, CA, USA)
2010	Denekamp N	Biol Reprod, Apr 2010; 82: 714 - 724.	EMBRYO: Late Embryogenesis Abundant (LEA) Proteins in Nondesiccated, Encysted, and Diapausing Embryos of Rotifers	Custom Peptide Antibodies	Preparation of Polyclonal Antisera Two polyclonal antisera were prepared by Genemed Synthesis, Inc.,
2010	Deshmukh L	J. Biol. Chem., Nov 2010; 285: 34875 - 34884.	SIGNAL TRANSDUCTION: Integrin β3 Phosphorylation Dictates Its Complex with the Shc Phosphotyrosine-binding (PTB) Domain	Custom Peptides	corresponding to mono- and bi-phosphorylated 3 CT, MPN 3 , MPC 3 , and BP 3 Peptide (Fig. 1B), were chemically synthesized (Genemed Synthesis, Inc
2010	Eckert R	J. Biol. Chem., Apr 2010; 285: 10736 - 10747.	NEUROBIOLOGY: Discovery of a Novel Insect Neuropeptide Signaling System Closely Related to the Insect Adipokinetic Hormone and Corazonin Hormonal Systems	Custom Peptide Antibodies	polyclonal ACP rabbit antibody was obtained commercially from GeneMed Synthesis.
2010	Ellis N	The Journal of Infectious Disease, Oct 2010; 202: 1059 - 1067.	BACTERIA: Priming the Immune System for Heart Disease: A Perspective on Group A Streptococci	Custom Peptide Antibodies	were synthesized as 25mers with an 11-amino acid overlap by the Molecular Biology Resource Center at OUHSC and by Genemed Synthesis, Inc
2010	Foster W	Am J Physiol Lung Cell Mol Physiol, Sep 2010; 299: L345 - L352.	MARCKS-related peptide modulates in vivo the secretion of airway Muc5ac	Custom Peptides	given by intranasal aspiration 50 mul of 100 muM myristoylated amino-terminal sequence peptide (MANS; Genemed Synthesis, San Francisco, CA)
2010	Fouda M	Journal of Insect Physiology, Volume 56, Issue 12, December 2010, Pages 1728-1737	Precursor structure, distribution and possible functions of pigment-dispersing hormone (PDH) in the terrestrial isopod Armadillidium vulgare (Latreille)	cap	

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2010	Fuentes J	Am J Physiol Regulatory Integrative Comp Physiol, Jul 2010; 299: R150 - R158.	Parathyroid hormone-related protein-stanniocalcin antagonism in regulation of bicarbonate secretion and calcium precipitation in a marine fish intestine	Custom Peptides	The PTHrP(1-34) (2) from puffer fish was synthesized by Genemed Synthesis (San Francisco, CA).
2010	Getts M	Virology, Volume 402, Issue 1, 20 June 2010, Pages 102-111	A critical role for virus-specific CD8+ CTLs in protection from Theiler's virus-induced demyelination in disease-susceptible SJL mice	Custom Peptides	All synthetic peptides were obtained from Genemed Synthesis, San Francisco, CA. These included TMEV peptides VP2121–130 (FHAGSLLVFM), VP2165–173 (TGYRYDSRT), VP3159–166 (FNFTAPFI), VP3173–181 (QTSYTSPTI), VP111–20 (SNDDASVDFV), VP3110–120 (NFLFVFTGAAM), and VP270–86 (WTSQEAFSHIRIPLP), as well as PLP139–151 (HSLGKWLGHPDKF)
2010	Gonzalez-Gronow M	Journal of Neuroimmunology, Volume 227, Issues 1-2, 8 October 2010, Pages 153-161	Antibodies against the voltage-dependent anion channel (VDAC) and its protective ligand hexokinase-I in children with autism	Custom Peptides	The 21-amino acid peptides, KVNNSSLIGLGYTQTLKP GIKC (Lys235–Lys255) of VDAC1 (P1) and MIAAQLLAYYFTELKDDQVKKC (Met1–Lys21) of hexokinase-I (P2), were obtained from Genemed Synthesis, Inc. (San Francisco, CA).
2010	Gottwein J	J. Virol., May 2010; 84: 5277 - 5293.	PATHOGENESIS AND IMMUNITY: Novel Infectious cDNA Clones of Hepatitis C Virus Genotype 3a (Strain S52) and 4a (Strain ED43): Genetic Analyses and In Vivo Pathogenesis Studies	Custom Peptides	.peptides spanning the entire polyprotein of HCV genotype 4a (strain ED43; GenBank accession number Y11604) were purchased from Genemed Synthesis.
2010	Grotzke J	J. Immunol., Oct 2010; 185: 4336 - 4343.	HOST DEFENSE: Secreted Immunodominant Mycobacterium tuberculosis Antigens Are Processed by the Cytosolic Pathway	Custom Peptides	Bacteria, virus, and cells...AEMKTDAATLAQEAGNFERI) was synthesized, purified to 90% purity (Genemed Synthesis)
2010	Heslop H	Blood, Feb 2010; 115: 925 - 935.	PLENARY PAPERS: Long-term outcome of EBV-specific T-cell infusions to prevent or treat EBV-related lymphoproliferative disease in transplant recipients	Custom Peptides	EBV peptides (Genemed Synthesis) were used in enzyme-linked immunosorbent spot (EliSpot) assays to determine the frequency of epitope specific T cells
2010	Hoang P	Metabolism, Volume 59, Issue 3, March 2010, Pages 343-349	The neurosurvival factor Humanin inhibits β-cell apoptosis via signal transducer and activator of transcription 3 activation and delays and ameliorates diabetes in nonobese diabetic mice	Custom Peptides	Humanin peptide was synthesized by Genemed Synthesis Biotechnologies (South San Francisco, CA).
2010	Jin Y	Journal of Neuroimmunology, Volume 226, Issues 1-2, 14 September 2010, Pages 27-37	Type I interferon signals control Theiler's virus infection site, cellular infiltration and T cell stimulation in the CNS	Custom Peptides	All synthetic peptides were purchased from Genemed Synthesis (San Francisco, CA). S
2010	Kang H	J. Virol., Mar 2010; 84: 2774 - 2786.	PATHOGENESIS AND IMMUNITY: Predominant Clonal Accumulation of CD8+ T Cells with Moderate Avidity in the Central Nervous Systems of Theiler's Virus-Infected C57BL/6 Mice	Custom Peptides	All synthetic peptides purified by high-performance liquid chromatography to purity were obtained from Genemed Synthesis, San Francisco, CA.
2010	Karnabi E	Journal of Autoimmunity, Volume 34, Issue 2, March 2010, Pages 80-86	Congenital heart block: Identification of autoantibody binding site on the extracellular loop (domain I, S5–S6) of α1D L-type Ca channel	Custom Peptides	. The sequence of all fusion proteins were verified by commercial sequencing (Genemed Synthesis, San Antonio, TX, USA).
2010	Lee Y	J. Biol. Chem., Jan 2010; 285: 1726 - 1732.	MOLECULAR BASIS OF CELL AND DEVELOPMENTAL BIOLOGY: Interaction of Insulin-like Growth Factor-binding Protein-3 and BAX in Mitochondria Promotes Male Germ Cell Apoptosis	Custom Peptides	The peptides used for dot blots included: Humanin (HN, a known binding partner of IGFBP-3 (23); obtained from GeneMed Synthesis Inc., San Antonio, TX),
2010	Li C	Cancer Letters, Volume 292, Issue 2, 28 June 2010, Pages 246-253	Tobacco carcinogen NNK transporter MRP2 regulates CFTR function in lung epithelia: Implications for lung cancer	Custom Peptides	We also generated our own anti-MRP2 antibody (rabbit-2825, against the last 12 amino acids of MRP2, i.e., a.a. 1534–1545) (Genemed Synthesis, CA),

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					which was affinitypurified using Protein-A column.
2010	Liao Y	The International Journal of Biochemistry & Cell Biology, Volume 42, Issue 8, August 2010, Pages 1363-1369	miR-584 mediates post-transcriptional expression of lactoferrin receptor in Caco-2 cells and in mouse small intestine during the perinatal period	Custom Peptides	Anti-serum was produced in rabbits against a chemically synthesized peptide, CTVGDRWSSQQGSKAD, which corresponds to part of the deduced LfR amino acid sequence (Genemed Synthesis Inc.).
2010	Lue Y	Endocrinology, Jan 2010; 151: 350 - 357.	REPRODUCTION-DEVELOPMENT: Opposing Roles of Insulin-Like Growth Factor Binding Protein 3 and Humanin in the Regulation of Testicular Germ Cell Apoptosis	Custom Peptides	GnRH-A injection on d 1 and daily intratesticular injection of 50 μg HN (Genemed Synthesis, Inc., San Antonio, TX)
2010	Luo W	Protein Expression and Purification, Volume 72, Issue 1, July 2010, Pages 75-81	Kinetic and structural characterization of human mortalin	Custom Peptides	The fluorescein-labeled peptide, LSLPPVKLHK-fluorescein was synthesized by Genemed Synthesis, Inc.
2010	Macedo B	European Journal of Medicinal Chemistry, Volume 45, Issue 11, November 2010, Pages 5468-5473	Synthesis and anti-prion activity evaluation of aminoquinoline analogues	Custom Peptides	The Syrian hamster prion protein peptide (109e149) was acquired from Genemed Synthesis, Inc. (San Antonio, TX, USA), where it was made using solid phase synthesis and purified by RP-HPLC (>90% purity)
2010	Martin A	J. Immunol., Sep 2010; 185: 3326 - 3336.	CELLULAR IMMUNOLOGY AND IMMUNE REGULATION: Ethylenecarbodiimide-Treated Splenocytes Carrying Male CD4 Epitopes Confer Histocompatability Y Chromosome Antigen Transplant Protection by Inhibiting CD154 Upregulation	Custom Peptides	Peptides (Dby, NAGFNSNRANSSRSS; Uty, WMHHNMDLI; Smcy, KCSRNRQYL; OVA323-339, ISQAVHAAHAEINEAGR) were obtained from Genemed Synthesis (San Antonio, TX).
2010	MEASE P	J Rheumatol, Apr 2010; 37: 692 - 703.	Safety, Tolerability, and Clinical Outcomes after Intraarticular Injection of a Recombinant Adeno-associated Vector Containing a Tumor Necrosis Factor Antagonist Gene: Results of a Phase 1/2 Study	Custom Peptides	exposure to 4 synthetic peptide pools (Genemed Synthesis Inc., San Antonio, TX, USA)
2010	Niland B	J. Immunol., Apr 2010; 184: 4025 - 4032.	CLINICAL IMMUNOLOGY: Cleavage of Transaldolase by Granzyme B Causes the Loss of Enzymatic Activity with Retention of Antigenicity for Multiple Sclerosis Patients	Custom Peptides	Synthetic TALpep was produced and purified to 99% homogeneity by Genemed (Genemed Synthesis, San Francisco, CA)
2010	Oblander S	Molecular and Cellular Neuroscience, Volume 44, Issue 1, May 2010, Pages 78-93	Distinct PTPmu-associated signaling molecules differentially regulate neurite outgrowth on E-, N-, and R-cadherin	Custom Peptides	. In brief, the IQGAP1 peptide corresponds to amino acids 1054–1077 of IQGAP1 plus the N-terminal TAT sequence (GRKKRRQRRRMVVSFNRGARGQNAL RQILAPVVK), which was originally developed by Dr. David Sacks (Mataraza et al., 2003) and synthesized by Genemed Synthesis, San Francisco, CA.
2010	Perdomo G	J. Lipid Res., Jun 2010; 51: 1298 - 1311.	RESEARCH ARTICLES: A role of apolipoprotein D in triglyceride metabolism	Custom Peptides	mmunizing rabbits with the peptide VKKYLGRWYEIEKIP (corresponding to amino acid residue 18-32 of apoD protein, Genemed Synthesis, San Francisco, CA)
2010	Radziewicz H	J. Immunol., Mar 2010; 184: 2410 - 2422.	CELLULAR IMMUNOLOGY AND IMMUNE REGULATION: Transient CD86 Expression on Hepatitis C Virus-Specific CD8+ T Cells in Acute Infection Is Linked to Sufficient IL-2 Signaling	Custom Peptides	CMV NLV peptide (NLVPMVATV; 1 mug/ml) was used (Genemed Synthesis, San Antonio, TX).
2010	Rinkevich Y	Developmental Biology, Volume 345, Issue 1, 1 September 2010, Pages 94-104	Piwi positive cells that line the vasculature epithelium, underlie whole body regeneration in a basal chordate	Custom Peptide Antibodies	Rabbit anti Bl-Piwi antibody was produced by Genemed Synthesis Inc. (http://www.genemedsyn.com).

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2010	Shanmugaraj an S	Endocrinology, Sep 2010; 151: 4389 - 4399.	GROWTH FACTORS-CYTOKINES: Osteoclast Inhibitory Peptide-1 Binding to the FcRIIB Inhibits Osteoclast Differentiation	Custom Peptides	OIP-1/hSca c-peptide (NFSAADGGLRASVTLLGAGLLLSLLPAL LRFGP) was synthesized by Genemed Synthesis, Inc. (San Francisco, CA)
2010	Siddiqi S	J. Lipid Res., Jul 2010; 51: 1918 - 1928.	A novel multiprotein complex is required to generate the prechylomicron transport vesicle from intestinal ER	Custom Peptide Antibodies	Polyclonal antibodies against rat VAMP7 were raised in rabbits commercially (Genemed Synthesis, San Francisco, CA) using a synthetic 19-mer peptide corresponding to amino acids 105-123 of rat VAMP7.
2010	Sun W	J. Biol. Chem., Jul 2010; 285: 21341 - 21348.	SIGNAL TRANSDUCTION: Protein Phosphatase 2A Acts as a Mitogen-activated Protein Kinase Kinase Kinase 3 (MEKK3) Phosphatase to Inhibit Lysophosphatidic Acid-induced IB Kinase β/Nuclear Factor-B Activation	Custom Peptides	human MEKK3 (pThr-516/pSer-520) were produced by immunizing rabbits with MEKK3 phosphopeptide (GASKRLQpTICMpSGTGMR) at Genemed Synthesis, Inc.
2010	Sun W	J. Biol. Chem., Mar 2010; 285: 7911 - 7918.	SIGNAL TRANSDUCTION: Phosphorylation of Thr-516 and Ser-520 in the Kinase Activation Loop of MEKK3 Is Required for Lysophosphatidic Acid-mediated Optimal IB Kinase β (IKKβ)/Nuclear Factor-B (NF-B) Activation	Custom Peptides	immunizing rabbits with MEKK3 phosphopeptide (GASKRLQpTICMpSGTGMR) at Genemed Synthesis, Inc.
2010	Thon J	J. Cell Biol., Nov 2010; 191: 861 - 874.	Cytoskeletal mechanics of proplatelet maturation and platelet release	Custom Peptides	probed with a rabbit polyclonal antibody against the C-terminal sequence of mouse β1-tubulin (LEDSEEDAEEAEVEAEDKDH; Genemed Synthesis, Inc.).
2010	Tseng C	J. Biol. Chem., Sep 2010; 285: 27641 - 27651.	PROTEIN STRUCTURE AND FOLDING: Asparagine of z8 Insert Is Critical for the Affinity, Conformation, and Acetylcholine Receptor-clustering Activity of Neural Agrin	Custom Peptides	Synthetic oligonucleotide primers and synthetic z8 peptide were synthesized by Integrated DNA Technology (Coralville, IA) and Genemed Synthesis (San Francisco, CA),
2010	Wang G	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1798, Issue 2, February 2010, Pages 114-121	Structure, dynamics and mapping of membrane-binding residues of micelle-bound antimicrobial peptides by natural abundance 13C NMR spectroscopy	Custom Peptides	GF-17, KR-12 and its single-residue peptide mutants, RI-10, aurein 1.2, and LLAA (Table 1) with C-terminal amidation (N95% pure) were synthesized and purified by Genemed Synthesis (San Antonio, TX)
2010	Yang J	J. Cell Sci., Mar 2010; 123: 861 - 870.	RESEARCH ARTICLES: GSK-3β promotes cell survival by modulating Bif-1-dependent autophagy and cell death	Custom Peptides	L803-mts [N-myristol-GKEAPPAPPQS(P)P] was synthesized by Genemed Synthesis (San Antonio, TX)
2010	Zhang H	J. Immunol., Jun 2010; 184: 6629 - 6636.	CELLULAR IMMUNOLOGY AND IMMUNE REGULATION: TGF-β–Induced Myelin Peptide-Specific Regulatory T Cells Mediate Antigen-Specific Suppression of Induction of Experimental Autoimmune Encephalomyelitis	Custom Peptides	PLP178-191 (NTWTTCQSIAFPSK), MOG35-55 (MEVGWYRSPFSRVVHLYRNGK), and OVA323-339 (ISQAVHAAHAEINEAGR) were purchased from Genemed Synthesis (San Francisco, CA).
2010	Zhang L	International Journal of Radiation Oncology*Biology*Physics, Volume 77, Issue 1, 1 May 2010, Pages 261-268	Mitigation Effect of an FGF-2 Peptide on Acute Gastrointestinal Syndrome After High-Dose Ionizing Radiation	Custom Peptides	s. FGF-P was synthesized by standard, solid-phase methods (Genemed Synthesis, San Antonio, TX) at a level of 97% purity, as determined by reverse-phase high-performance liquid chromatography (HPLC).
2011	Canaday D	Cellular Immunology, Volume 266, Issue 2, 2011, Pages 187-191	Preserved MHC-II antigen processing and presentation function in chronic HCV infection	Custom Peptides	incubated with titrated concentrations of hen egg lysozyme (HEL, Roche) or HEL peptide (aa 14–37, Genemed Synthesis) in DMEM based medium with 10% FCS.
2011	Leung M	Biophysical Journal, Volume 100, Issue 8, 20 April 2011, Pages 1960-1968	Increasing Hydrophobicity of Residues in an Anti-HIV-1 Env Peptide Synergistically Improves Potency	Custom Peptides	). AllC-peptides were synthesized by Genemed Synthesis (San Antonio, TX).

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2011	Licht-Murava A	Journal of Molecular Biology, Volume 408, Issue 2, 29 April 2011, Pages 366-378	Elucidating Substrate and Inhibitor Binding Sites on the Surface of GSK-3β and the Refinement of a Competitive Inhibitor	Custom Peptides	Peptides were synthesized by Genemed Synthesis, Inc. (San Francisco, CA, USA).
2011	Nakorn P	Journal of Theoretical Biology, Volume 270, Issue 1, 7 February 2011, Pages 88-97	In vitro and in silico binding study of the peptide derived from HIV-1 CA-CTD and LysRS as a potential HIV-1 blocking site	Custom Peptides	Two peptides called wh-H4 and sh-H4 were purchased from Genemed Synthesis Inc (USA).
2011	Rahman A	Journal of Proteomics, Volume 74, Issue 2, 1 February 2011, Pages 231-241	Biomolecular characterization of allergenic proteins in snow crab (Chionoecetes opilio) and de novo sequencing of the second allergen arginine kinase using tandem mass spectrometry	Custom Peptides	sampling was bought from SKC Inc. (Eighty Four, PA, USA). The signature pept ide, LVSAVNEIEK (pur i t y > 98.33%; molar mass =1101.27 Da) and its deuterated isotopic homolog using d3-L-alanine (purity > 96.80%; molar mass 1104.27 Da) were purchased from GeneMed Synthesis (San Francisco, CA, USA).
2011	Zhao J	Biochemical and Biophysical Research Communications, Volume 407, Issue 3, 15 April 2011, Pages 501-506	A novel strategy to activate cytoprotective genes in the injured brain	Custom Peptides	The following peptides were synthesized by Genemed Synthesis (San Antonio, TX):TAT: NH2-YGRKKRRQRRR-CONH2 TAT–DEETGE: NH2-YGRKKRRQRRRPLQLDEETGEFLPIQ-CONH2 TAT–CAL–DEETGE: NH2-YGRKKRRQRRRPLFAERLDEETGEFLP CONH2
2011	Alby K	PNAS, Feb 2011; 108: 2510 - 2515	Interspecies pheromone signaling promotes biofilm formation and same-sex mating in Candida albicans	Custom Peptides	Peptides were synthesized by Genemed Synthesis.
2011	Hansen K	Biochemical and Biophysical Research Communications, Volume 404, Issue 1, 7 January 2011, Pages 184-189	The Drosophila genes CG14593 and CG30106 code for G-protein-coupled receptors specifically activated by the neuropeptides CCHamide-1 and CCHamide-2	Custom Peptides	We tested a library of eight biogenic amines and 25 Drosophila neuropeptides (Supporting Information, Table S1 and the novel Drosophila neuropeptides CCHamide-1 and -2 (synthesized by Genemed Synthesis, San Antonio, USA)
2011	Herschhorn A	J. Immunol., Dec 2010; 185: 7623 - 7632.	Antibodies and Lentiviruses That Specifically Recognize a T Cell Epitope Derived from HIV-1 Nef Protein and Presented by HLA-C	CAD	Nef1 and gp120 were synthesized by M. Fridkin (Weizmann Institute of Science, Rehovot, Israel), Conpep by Genemed Synthesis (San Antonio, TX),…
2011	Jiang F	J. Pharmacol. Exp. Ther., Jul 2011; 338: 134 - 142.	ABT-869, a Multitargeted Receptor Tyrosine Kinase Inhibitor, Reduces Tumor Microvascularity and Improves Vascular Wall Integrity in Preclinical Tumor Models	Custom Peptides	synthetic VEGFR 2 peptide (Tyr1214; Genemed Synthesis, San Francisco, CA)
2011	Jo Y	J. Biol. Chem., Apr 2011; 286: 15022 - 15031.	Membrane-associated Ubiquitin Ligase Complex Containing gp78 Mediates Sterol-accelerated Degradation of 3-Hydroxy-3-methylglutaryl-coenzyme A Reductase	Custom Peptide Antibodies	Rabbit polyclonal anti-SPFH1 and SPFH2 were generated by immunizing animals with keyhole limpet hemocyanin-conjugated peptides (Genemed Synthesis, Inc.)
2011	Kanakasabai S	Brain Research, Volume 1376, 28 February 2011, Pages 101-112	PPARδ deficient mice develop elevated Th1/Th17 responses and prolonged experimental autoimmune encephalomyelitis	Custom Peptides	The 21 amino acid peptide [MEVGWYRSPFSRVVHLYRNGK] corresponding to the mouse MOGp35-55 (96.81% purity) was obtained from Genemed Synthesis Inc. (San Francisco, CA)
2011	Li J	Journal of Neuroimmunology, Volume 234, Issues 1-2, May 2011, Pages 109-114	Differential levels of resistance to disease induction and development of relapsing experimental autoimmune encelphalomyelitis in two H-2b-restricted mouse strains	Custom Peptides	. Myelin antigen peptides were synthesized by Genemed Synthesis (San Antonio, TX).
2011	Li J	Journal of Neuroimmunology, Volume 230, Issues 1-2, January 2011, Pages 26-32	T cells that trigger acute experimental autoimmune encephalomyelitis also mediate subsequent disease relapses and predominantly produce IL-17	Custom Peptides	Myelin antigen peptides were synthesized by Genemed Synthesis (South San Francisco, CA)

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2011	Liu R	Learn. Mem., Mar 2011; 18: 245 - 249.	Serotonin- and training-induced dynamic regulation of CREB2 in Aplysia	Custom Peptide Antibodies	The anti-CREB2 antibody was raised by a commercial vendor (Genemed Synthesis, Inc.)
2011	Maestro B	Protein Eng. Des. Sel., Jan 2011; 24: 113 - 122.	Structural autonomy of a β-hairpin peptide derived from the pneumococcal choline-binding protein LytA	Custom Peptides	protocols and purified by reversed-phase HPLC to 95% purity by Genemed Synthesis, Inc.
2011	Malovannaya A	Cell, Volume 145, Issue 5, 27 May 2011, Pages 787-799	Analysis of the Human Endogenous Coregulator Complexome	Custom Peptide Antibodies	anti-GFP (custom, Genemed Synthesis),
2011	McDermott J	Mol. Biol. Cell, Nov 2010; 21: 3934 - 3941.	Jen1p: A High Affinity Selenite Transporter in Yeast	Custom Peptides	synthetic peptide (QDQGVEYEEDEEDKPNLSA) derived from a putative extracellular loop of Jen1p conjugated with carrier Keyhole Limpet hemocyanin (Genemed Synthesis, San Antonio, TX).
2011	Nicholson C	Antiviral Research, Volume 89, Issue 1, January 2011, Pages 71-74	Viral entry inhibitors block dengue antibody-dependent enhancement in vitro	Custom Peptides	DN59 (MAILGDTAWDFGSLGGVFTSIGKALHQ VFGAIY) (Hrobowski et al., 2005) and 1OAN1 (FWFTLIKTQAKQPARYRRFC) (Costin et al., 2010.) were synthesized by solid-phase N-_-9-flurenylmethyl-oxycarbonyl chemistry, purified by HPLC, and confirmed by mass spectrometry (Genemed Synthesis, San Antonio, TX or EZBiolab, Carmel, IN)
2011	Palomares-Jerez M	Biochimica et Biophysica Acta (BBA) - Biomembranes, Volume 1808, Issue 4, April 2011, Pages 1219-1229	Membrane interaction of segment H1 (NS4BH1) from hepatitis C virus non-structural protein 4B	Custom Peptides	1. Peptides NS4BH1 (sequence 198 GEGAVQWMNRLIAFASRG 215) and scrambled peptide NS4BH1SC (SAVRNAFIGQGMGRWEAL) were synthesized with N-terminal acetylation and C-terminal amidation on an automatic multiple synthesizer (Genemed Synthesis, San Antonio, TX, USA).
2011	Quintarelli C	Blood, Mar 2011; 117: 3353 - 3362.	High-avidity cytotoxic T lymphocytes specific for a new PRAME-derived peptide can target leukemic and leukemic-precursor cells	Custom Peptides	All peptides were obtained from Genemed Synthesis.
2011	Rawal S	Toxicology and Applied Pharmacology, In Press, Corrected Proof	Metabolism of aflatoxin B1 in Turkey liver microsomes: The relative roles of cytochromes P450 1A5 and 3A37	Custom Peptides	Rabbit polyclonal anti-P450 1A5 (Yip and Coulombe, 2006) and 3A37 (Rawal et al., 2010b) sera were raised against the peptide sequences “FLDFNKRFMKLLKTAVEE (amino acids 260–277)” and “SQKSDSDGKNSHKA (amino acids 278–291),” respectively by Genemed Synthesis (San Antonio, TX).
2011	Ren Z	Journal of Neuroimmunology, Volume 233, Issues 1-2, April 2011, Pages 147-159	IRF-1 signaling in central nervous system glial cells regulates inflammatory demyelination	Custom Peptides	Each immunized mouse received 200 µg o f MOG3 5–5 5 (MEVGWYRSPFSRVVHLYRNGK) (Genemed Synthesis, San Francisco, CA) emulsified in complete Freund's adjuvant (CFA) containing 600 µg of Mycobacterium tuberculosis H37Ra (Difco, Detroit, MI) intradermally.
2011	Ren Z	J. Neurosci., Jun 2011; 31: 8329 - 8341	Overexpression of the Dominant-Negative Form of Interferon Regulatory Factor 1 in Oligodendrocytes Protects against Experimental Autoimmune Encephalomyelitis	Custom Peptides	oligodendroglial protein (MOG)35-55 (MEVGWYRSPFSRVVHLYRNGK; Genemed Synthesis)

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2011	Richards M	Journal of Autoimmunity, Volume 36, Issue 2, March 2011, Pages 142-154	Virus expanded regulatory T cells control disease severity in the Theiler's virus mouse model of MS	Custom Peptides	All synthetic peptides were obtained from Genemed Synthesis, San Francisco, CA. These included: TMEV peptides VP2121e130 (FHAGSLLVFM), VP2165e173 (TGYRYDSRT), VP3110e120 (NFLFVFTGAAM), VP3159e166 (FNFTAPFI), VP3173e181 (QTSYTSPTI), VP111e20 (SNDDASVDFV), and VP270e86 (WTSQEAFSHIRIPLP), as well as SV40 Epitope I (SAINNYAQKL).
2011	Sayed S	J. Immunol., Mar 2011; 186: 3294 - 3298.	Cutting Edge: Mast Cells Regulate Disease Severity in a Relapsing–Remitting Model of Multiple Sclerosis	Custom Peptides	Mice were immunized as previously described (20) with 100 mug proteolipid protein139-151 peptide (Genemed Synthesis)
2011	Song B	J. Biol. Chem., Dec 2010; 285: 41122 - 41134.	Inhibitory Phosphorylation of GSK-3 by CaMKII Couples Depolarization to Neuronal Survival	Custom Peptides	myr-Ser-9-tide (RPRTTSFAESC) were synthesized by Genemed Synthesis, Inc
2011	Swaisgood C	Am. J. Respir. Cell Mol. Biol., Feb 2011; 44: 166 - 174.	Development of a Sarcoidosis Murine Lung Granuloma Model Using Mycobacterium Superoxide Dismutase A Peptide	Custom Peptides	Each peptide was synthesized by solid-phase F-moc chemistry (Genemed Synthesis, San Diego, CA)
2011	Vatner R	J. Immunol., Dec 2010; 185: 6765 - 6773.	The Tailless Complex Polypeptide-1 Ring Complex of the Heat Shock Protein 60 Family Facilitates Cross-Priming of CD8 Responses Specific for Chaperoned Peptides	Custom Peptides	All peptides were synthesized by Genemed Synthesis (South San Francisco, CA)
2011	Verduzco D	Methods in Cell Biology, Volume 101, 2011, Chapter Chapter 2, Pages 19-38	Analysis of Cell Proliferation, Senescence, and Cell Death in Zebrafish Embryos	misc	
2011	Xu M	Cardiovasc Res, May 2011; 90: 325 - 334.	The endothelium-dependent effect of RTEF-1 in pressure overload cardiac hypertrophy: role of VEGF-B	Custom Peptides	RTEF-1 (Genemed Synthesis Inc.)
2011	Zhang J	Biochimie, In Press	Pathophysiological condition changes the conformation of a flexible FBG-related protein, switching it from pathogen-recognition to host-interaction	Custom Peptides	Following the identification of the interaction domain of FBG by HDMS, we performed SPR analysis to confirm the exclusion of region 205e220, which is not pH- and calcium-sensitive, from the binding interface. Peptide 205e220 (RVDLVDFEGNHQFAKY) was verified for its hydrophilicity and solubility values