



Reliable, well-selected antibodies are one of the most effective tools in the neuroscience researcher's arsenal with regard to identifying and locating specific proteins. GenScript USA Inc., a life science CRO specializing in quality gene, peptide, protein, and antibody services, is proud to launch a new series of products geared specifically toward neuroscience research. GenScript provides a comprehensive selection of antibodies applicable to full pathways of neuroscience research and drug discovery.


Our standard antibody services have already earned us a reputation for excellence in top academic and industrial laboratories around the world. In addition, our line of Express™ ELISA Kits allows the user to perform a complete ELISA, from antigen coating to signal development, in just one hour.

Tools for Neurological Disease Research:

- Neuroscience Antibodies
- Neuroscience Detection Kits
- Custom Antibody Services and Peptide Synthesis Services
- Neuroscience-Related Peptide Products



Research Process

	Research Process	GenScript Services and Products
	<div>Target Protein Preparation</div> <div>Protein Function Research</div>	<p>GenScript’s Gene-on-Demand® Gene Synthesis and advanced Protein Expression Service can deliver any target protein.</p> <ul style="list-style-type: none">■ Our FREE OptimumGene™ codon optimization tool modifies the gene sequence of your target protein for the highest possible level of heterologous protein expression.■ We offer several choices of protein expression system, yielding high-quality results in bacterial, yeast, baculovirus/insect, and mammalian systems on both small and large scales.■ GenScript’s Guaranteed Bacterial Expression Package provides over 3 mg of purified soluble protein. <p>GenScript’s comprehensive catalog antibody collection can satisfy the most stringent protein function research projects.</p> <ul style="list-style-type: none">■ Our huge collection of neuroscience antibodies covers all major neurodegenerative diseases, and is still increasing.■ We offer paired phospho-specific antibodies with corresponding blocking peptides.■ Our MiniFresh® packages preserve your budget.■ THE™ Elite Antibody series provides the most effective and sensitive antibodies available. Can’t find the antibody you need anywhere? Don’t worry! GenScript’s state-of-the-art Custom Antibody Services can deliver your antibody with the security of the best guarantee in the industry.■ Our FREE OptimumAntigen™ antigen design tool allows us to guarantee the delivery of an effective antigen.■ We guarantee an ELISA titer of 1:20,000 or better for any host polyclonal antibody project using peptide antigens designed, synthesized, and conjugated by GenScript. For any protein antigen (3 mg, >75% purity, 90% preferred) we guarantee a polyclonal antibody with positive Western blot results and an ELISA titer of 1:20,000 or better for any host. Or we will restart the project free of charge until the guarantee is met.■ Our Express Rabbit Polyclonal Antibody Service cuts antibody production time down to five to eight weeks.■ We guarantee two positive clones for any host monoclonal antibody project using peptide antigens designed, synthesized, and conjugated by GenScript. We guarantee a positive Western blot for any host monoclonal antibody project when using any protein antigen (at least 2 mg, >85% purity).



The discovery of new potential drug targets, signaling molecules, and structural proteins in the brain has dramatically amplified the demand for high-quality antibodies applicable to neuroscience. In addition, research into traditional targets and pathways, such as beta amyloid, dopamine, and serotonin continue to draw on the resources of neuroscience reagent providers. GenScript offers a wide range of tools, including pan- and phospho-specific antibodies as well as peptides and proteins geared toward different areas of neuroscience research. In addition, GenScript offers a comprehensive collection of antibodies targeting neurological diseases such as Alzheimer's, Parkinson's, amyotrophic lateral sclerosis, and Huntington's disease. All of GenScript's neuroscience antibodies are carefully purified before delivery. Most of our production processes involve affinity chromatography purification based on the relevant epitope, further ensuring the quality of the antibodies generated.

Key Features:

- Unique collection of phospho-specific antibodies and their non-phospho counterparts.
- Full coverage of neurological disease pathways.
- Multiple applications: Western blot (WB), immunoprecipitation (IP), immunohistochemistry (IHC), ELISA, and more.
- MiniFresh® trial-size antibodies: Most of our neuroscience antibodies are available in small packages at minimal cost.

Antibodies to Alzheimer’s Disease

GenScript offers a wide selection of antibodies relevant to the Alzheimer's pathogenic pathway, including APP, tau protein, β -amyloid, ubiquitin, β -secretase, γ -secretase, GSK3, and others.

Amyloid Precursor Protein (APP) Antibodies

Amyloid precursor protein (APP) is highly conserved among species. The APP gene generates three predominant transcripts: APP695 (exons 1-6, 9-18, excluding 13a), APP751 (exons 1-7, 9-18, excluding 13a), and APP770 (exons 1-18, excluding 13a). Both APP751 and APP770 contain exon 7, which encodes a serine protease inhibitor (Kunitz protease inhibitor) domain. APP695 is a predominant variant in neurons. APP751 is more common in other tissues. The beta-amyloid protein is encoded by exons 16 and 17. GenScript offers a set of antibodies to different regions of APP combinations, which can be used to distinguish between different isoforms of APP in Western blotting and immunohistochemistry.

>> Product Overview:

Cat. No.	Product Name	Size	Price
A00692	Rabbit Anti-Amyloid Precursor Protein (44-63) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00693	Rabbit Anti-Amyloid Precursor Protein (292-312) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00694	Rabbit Anti-Amyloid Precursor Protein (653-662) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00695	Rabbit Anti-Amyloid Precursor Protein (671-685) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00696	Rabbit Anti-Amyloid Precursor Protein (747-761) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00697	Rabbit Anti-Amyloid Precursor Protein (Phospho-Tyr757) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00700	Rabbit Anti-Amyloid Precursor Protein FM (339-348) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00806	Mouse Anti-Amyloid Precursor Protein Monoclonal Antibody	40 ug	\$55.00
A00966	Rabbit Anti-Amyloid Precursor Protein (Ab-730) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A01026	Rabbit Anti-Amyloid Precursor Protein (Phospho-Thr668) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00

Secretase Antibodies

>> Product Overview:

β -Secretase Antibodies

Cat. No.	Product Name	Size	Price
A00878	Rabbit Anti-BACE1 (26-45) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00879	Rabbit Anti-BACE1 (46-65) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00880	Rabbit Anti-BACE1 (485-501) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00

γ-Secretase Antibodies

Cat. No.	Product Name	Size	Price
A00883	Rabbit Anti-Nicastrin Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00884	Rabbit Anti-APH1 Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00881	Rabbit Anti-Presenilin 1 Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00

Tau Protein Antibodies

Tau, a highly asymmetric and heat-stable protein, is expressed mainly in the brain, where it regulates the stability and orientation of microtubules in neurons, astrocytes, and oligodendrocytes. The major function of tau is to stabilize microtubules and to bundle them in the axon. Phosphorylation reduces the ability of tau to promote microtubule self-assembly. The tau protein is reported to be the predominant component of the paired helical filaments (PHFs) and neurofibrillary tangles (NFTs) which are characteristic of pathological brain lesions in Alzheimer’s disease. GenScript offers pan-/phospho-specific antibody pairs to different phosphorylation sites of tau protein.

>> Product Overview:

Cat. No.	Product	Size	Price
A00389	Rabbit Anti-Tau (Ab-396) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00399	Rabbit Anti-Tau (Phospho-Ser396) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00393	Rabbit Anti-Tau (Ab-235) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00402	Rabbit Anti-Tau (Phospho-Ser235) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00397	Rabbit Anti-Tau (Ab-181) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00403	Rabbit Anti-Tau (Phospho-Thr181) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00398	Rabbit Anti-Tau (Ab-205) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00405	Rabbit Anti-Tau (Phospho-Thr205) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00400	Rabbit Anti-Tau (Ab-231) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00406	Rabbit Anti-Tau (Phospho-Thr231) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00401	Rabbit Anti-Tau (Ab-404) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00408	Rabbit Anti-Tau (Phospho-Ser404) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00600	Rabbit Anti-Tau (Ab-262) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00489	Rabbit Anti-Tau (Phospho-Ser262) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A01050	Rabbit Anti-Tau (Ser409) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00899	Rabbit Anti-Tau (Phospho-Ser409) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00

γ-Secretase Antibodies

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A00883	Rabbit Anti-Nicastrin Polyclonal Antibody	40 ug	\$50.00
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		200 ug	\$225.00
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A00389	Rabbit Anti-Tau (Ab-396) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00399	Rabbit Anti-Tau (Phospho-Ser396) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00393	Rabbit Anti-Tau (Ab-235) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00402	Rabbit Anti-Tau (Phospho-Ser235) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00397	Rabbit Anti-Tau (Ab-181) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00403	Rabbit Anti-Tau (Phospho-Thr181) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00398	Rabbit Anti-Tau (Ab-205) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00405	Rabbit Anti-Tau (Phospho-Thr205) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00400	Rabbit Anti-Tau (Ab-231) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00406	Rabbit Anti-Tau (Phospho-Thr231) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00401	Rabbit Anti-Tau (Ab-404) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00408	Rabbit Anti-Tau (Phospho-Ser404) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00600	Rabbit Anti-Tau (Ab-262) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00489	Rabbit Anti-Tau (Phospho-Ser262) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A01050	Rabbit Anti-Tau (Ser409) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00899	Rabbit Anti-Tau (Phospho-Ser409) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00

Ubiquitin Antibodies

Cat. No.	Product	Size	Price
A00133	Rabbit Anti-Ubiquitin pAb	100 ug	\$203.50
A00134	Mouse Anti-Ubiquitin Monoclonal Antibody	100 ug	\$203.50

Neurofilament Antibodies

Cat. No.	Product	Size	Price
A00135	Rabbit Anti-NF-H Polyclonal Antibody	100 ug	\$203.50
A00138	Rabbit Anti-NF-L Polyclonal Antibody	100 ug	\$203.50
A00144	Rabbit Anti-NF-M Polyclonal Antibody	100 ug	\$203.50
A00136	Chicken Anti-NF-H Polyclonal Antibody	100 ug	\$203.50
A00137	Mouse Anti-NF-H Monoclonal Antibody	100 ug	\$203.50
A00139	Mouse Anti-NF-L Monoclonal Antibody	100 ug	\$203.50
A00140	Chicken Anti-NF-L Polyclonal Antibody	100 ug	\$203.50
A00145	Mouse Anti-NF-M Monoclonal Antibody	100 ug	\$203.50
A00146	Chicken Anti-NF-M Polyclonal Antibody	100 ug	\$203.50
A00147	Mouse Anti-Interneixin/NF66 1 Monoclonal Antibody	100 ug	\$203.50
A00148	Mouse Anti-Interneixin/NF66 2 Monoclonal Antibody	100 ug	\$203.50
A00149	Rabbit Anti-Interneixin/NF66 Polyclonal Antibody	100 ug	\$203.50
A00150	Chicken Anti-Interneixin/NF66 Polyclonal Antibody	100 ug	\$203.50

Synuclein Antibodies

Cat. No.	Product	Size	Price
A00811	Mouse Anti-SNCA Monoclonal Antibody	40 ug	\$55.00
A00812	Mouse Anti-SNCG Monoclonal Antibody	40 ug	\$55.00

Catenin Antibodies

Cat. No.	Product	Size	Price
A00931	Rabbit Anti-α-Catenin (Ab-641) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00923	Rabbit Anti-α-Catenin (Phospho-Ser641) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00584	Rabbit Anti-β-Catenin (Ab-33) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00499	Rabbit Anti-β-Catenin (Phospho-Ser33) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00582	Rabbit Anti-β-Catenin (Ab-37) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00500	Rabbit Anti-β-Catenin (Phospho-Ser37) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00
A00407	Rabbit Anti-β-Catenin (Ab-41, 45) Polyclonal Antibody	40 ug	\$50.00
		200 ug	\$225.00
A00417	Rabbit Anti-β-Catenin (Phospho-Thr41, Ser45) Polyclonal Antibody	40 ug	\$69.00
		200 ug	\$311.00

Neuronal Markers

Cat. No.	Product	Size	Price
A00085	Mouse Anti-GFAP Monoclonal Antibody	100 ug	\$259.00
A00121	Mouse Anti-ABCA1 Monoclonal Antibody	100 ug	\$214.50
A00141	Rabbit Anti-Peripherin Polyclonal Antibody	100 ug	\$203.50
A00142	Mouse Anti-Peripherin 1 Monoclonal Antibody	100 ug	\$203.50
A00143	Mouse Anti-Peripherin 2 Monoclonal Antibody	100 ug	\$203.50
A00152	Chicken Anti-Vimentin Polyclonal Antibody	100 ug	\$203.50
A00153	Mouse Anti-Fibrillarin Monoclonal Antibody	100 ug	\$203.50
A00156	Chicken Anti-MAP2 Polyclonal Antibody	100 ug	\$203.50

Neuroendocrinology

Cat. No.	Product	Size	Price
A00086	Mouse Anti-GnRHR Monoclonal Antibody	100 ug	\$259.00

Apolipoprotein E Antibody

Cat. No.	Product	Size	Price
A00126	Goat Anti-Human Apo E Polyclonal Antibody	100 ug	\$165.00

Antibodies to other Diseases

>> Product Overview:

Parkinson's disease

Cat. No.	Product Name	Size	Price
A00133	Rabbit Anti-Ubiquitin Polyclonal Antibody	100 ug	\$203.50
A00811	Mouse Anti-SNCA Monoclonal Antibody	40 ug	\$55.00

Huntington's disease

Cat. No.	Product Name	Size	Price
A00089	Mouse Anti-Huntingtin Monoclonal Antibody	100 ug	\$ 259.00

Amyotrophic lateral sclerosis (ALS)

Cat. No.	Product	Size	Price
A00143	Mouse Anti-Peripherin 2 Monoclonal Antibody	100 ug	\$203.50

If you cannot find your antibodies on our list, try our **Express Antibody™ Service**, and receive high-quality, titer-guaranteed antibodies in only 5-8 weeks.



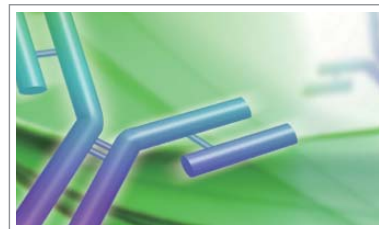
GenScript provides custom life science research services to pharmaceutical, biotechnology, and academic research institutions worldwide, offering a complete solution to all cloning, protein expression, peptide synthesis, and antibody production bottlenecks. Our custom services can accelerate the creative process, free up personnel, and provide clear and accurate results for neuroscience research projects.

GenScript's peptide synthesis services include standard and express chemical peptide synthesis, peptide modification, peptide libraries, and recombinant peptide expression. In addition, GenScript offers the most competitive prices in the peptide synthesis industry.

GenScript provides a one-stop solution to all our customers' antibody needs. Our custom antibody services include recombinant protein expression, peptide design and synthesis, polyclonal and monoclonal antibody production, express polyclonal antibody production, affinity purification, conjugation, fragmentation, and immunoassay development.

Services:

- Custom Peptide Synthesis Services
- Monoclonal Antibody Services
- Polyclonal Antibody Services



Peptide Synthesis Services

Standard Peptide Synthesis

GenScript produces top-quality peptides at a success rate well above the industry standard. GenScript's proprietary technology reduces the cost of peptide synthesis substantially by increasing chemical coupling efficiency and shortening coupling time. As one of the pioneers of the life science research service industry, GenScript aggressively seeks out and develops new technologies to incorporate into its existing platform.

>> Price Information

GenScript's standard peptide synthesis is competitively priced, starting at **\$3.20** per amino acid. Prices vary according to the purity level specified by the customer. Customers retain all rights to the sequence data and related intellectual property.

Price per amino acid for Peptide of 1-30 amino acids (4 mg)					
Purity	Crude	Desalt	>75%	>85%	>98%
GenScript	\$3.20	\$5.80	\$9.80	\$13.00	\$24.00
Vendor 1	\$5.60	\$7.20	\$14.08	\$20.96	\$37.12
Vendor 2	\$8.32	\$10.08	\$20.96	\$26.08	\$55.80

>> Promotion

1. 10% discounts and free gifts are available for new customers.
2. 20% or more discounts for large orders.
3. Price is as low as **\$2.95 /aa** for bulk orders.
4. For the latest promotion information, please check our website http://www.genscript.com/peptide_overview.html.

Express Peptide™ Synthesis

Long turnaround times and crippling bottlenecks have become a common feature of most peptide synthesis projects. Targeting this issue, GenScript's Express Peptide™ Synthesis service guarantees peptide delivery within eight business days, far faster than the industry standard of two to six weeks.

Our services are guaranteed: If GenScript fails to deliver your express peptide in eight business days, the cost will be reduced to 45% of the original price. Timing starts the next business day for orders confirmed before 3:30 PM Eastern.

>> Price Information

Cat. No.	Services Items	Price
SC1192	Express Peptide™ Synthesis	Starting at \$240

Custom Recombinant Peptide Services

Both peptides of over 150 residues and peptides with multiple disulfide bonds or other complexities can be prohibitively expensive to synthesize chemically. To this end, GenScript has developed a proprietary recombinant peptide system that complements its standard chemical peptide synthesis service. The powerful combination of these two protocols allows GenScript to provide its customers with any peptide of any length on any scale.

Get a quote now: 1-877-436-7274 (Toll-Free)

Email: peptide@genscript.com

Monoclonal Antibody Services

GenScript's monoclonal antibodies are produced in hybridoma cell lines derived from the fusion of myeloma cells and antibody-producing B-lymphocytes. GenScript's innovations include advanced antigen design software, proprietary T-Max™ adjuvant, nanotechnology techniques for antigen preparation, and state-of-the-art hybridoma technology.

We guarantee two positive clones for monoclonal antibodies developed in any host if the peptide antigens are designed, synthesized, and conjugated by GenScript. For any protein antigen (at least 2 mg, > 85% purity), we guarantee two positive clones with positive Western blot results for any host, or the client pays only the \$800 setup fee. Our monoclonal antibody service starts at \$3,800.

>> Monoclonal Antibody Packages

Cat. No.	Services Items	Price
SC1041	Complete Peptide Monoclonal Antibody Package (includes peptide synthesis)	\$4,280.00
SC1040	Partial Monoclonal Antibody Package (antigen supplied by customer)	\$3,800.00
SC1301	Phospho-specific Monoclonal Antibody Package (includes peptide synthesis)	\$5,650.00

GenScript offers a variety of monoclonal antibody production packages. Our experienced sales account managers will guide you toward the selection best suited to your specific needs.

>> Monoclonal Antibody Production Services

Monoclonal antibodies are extremely useful in both targeted drug discovery and in the detection and purification of a variety of substances. GenScript's tailored facilities and experienced staff offer specialized monoclonal antibody production, purification, and modification services, sidestepping the sluggish traditional process. GenScript offers both the production of ascites *in vivo* (starting at \$350.00) and roller bottle *in vitro* production (starting at \$315.00).

>> Antibody Purification Services

GenScript provides a wide array of purification options. These range from relatively common methods, such as Protein A and Protein G, to rare ones, such as Protein L. Our antibody purification services offer GenScript clients a package solution that can purify any antibody quickly and efficiently.

>> Antibody Modification Services

Cat. No.	Service Items	Price
SC1060	F(ab') ₂ Fragmentation (up to 100 mg)	\$560.00
SC1061	Biotin Conjugation (up to 20 mg)	\$275.00
SC1062	HRP Conjugation (up to 20 mg)	\$275.00
SC1063	FITC Conjugation (up to 20 mg)	\$275.00

>> Other Services

Cat. No.	Service Items	Price
SC1033	Additional Rabbits	\$250.00/rabbit
SC1034	Extended Protocol	\$200.00/rabbit
SC1035	KLH Conjugation	\$150.00
SC1036	Titer Test by ELISA	\$100.00
SC1037	Western Blot Testing	\$150.00
SC1196	Pre-Screen (hold for up to 10 days after Bleed)	\$19.00/rabbit

Polyclonal Antibody Services

Unlike monoclonal antibodies, polyclonal antibodies correspond to multiple epitopes and tend to contain several immunoglobulin subtypes. They can be used in ELISAs and IHC and in Westerns as primary and secondary antibodies.

We guarantee that any polyclonal antibody produced by us in any host will have an ELISA titer of 1:20,000 or better when the peptide antigens are designed, synthesized, and conjugated by GenScript. For any protein antigen (3 mg, >75% purity, 90% preferred), we guarantee a polyclonal antibody with positive Western blot results and an ELISA titer of 1:20,000 or better for any host.

>> Polyclonal Antibody Packages

Cat. No.	Services Items	Price
SC1031	Complete Affinity-Purified Peptide Polyclonal Antibody Package (Rabbit)	\$950.00
SC1030	Partial Polyclonal Antibody Package (Rabbit)	\$600.00
SC1015	Complete Peptide Polyclonal Antibody Package (Rabbit)	\$795.00
SC1045	Complete Protein A-Purified Peptide Polyclonal Antibody Package (Rabbit)	\$950.00
SC1044	Phospho-Specific Polyclonal Antibody Package (Rabbit)	\$1,650.00

>> Services List:

Cat. No.	Service Items	Price
SC1030	Partial Polyclonal Antibody Package (Rabbit)	\$600.00
SC1247	Partial Affinity-Purified Polyclonal Antibody Package (Rabbit)	\$850.00
SC1248	Partial Protein A-Purified Polyclonal Antibody Package (Rabbit)	\$850.00
SC1015	Complete Peptide Polyclonal Antibody Package (Rabbit)	\$795.00
SC1045	Complete Protein A-Purified Peptide Polyclonal Antibody Package (Rabbit)	\$950.00
SC1031	Complete Affinity-Purified Peptide Polyclonal Antibody Package (Rabbit)	\$950.00
SC1044	Phospho-Specific Polyclonal Antibody Production (Rabbit)	\$1,650.00
SC1178	Express Service - Partial Polyclonal Antibody Package (Rabbit)	\$900.00
SC1179	Express Service - Complete Peptide Polyclonal Antibody Package (Rabbit)	\$1,195.00
SC1180	Express Service - Complete Affinity-Purified Peptide Polyclonal Antibody Package (Rabbit)	\$1,450.00

GenScript offers a variety of polyclonal antibody production packages in several host species, including rabbit, mouse, goat, chicken, and rat.

Immunoassay Development Services

Modern drug discovery demands reliable high-throughput assays for the screening of potential drugs in biological systems. The complexity and long time commitments involved in the creation of such assays frequently make assay development a bottleneck in the drug screening process. GenScript's antibody production and immunoassay development services provide a cost-efficient solution to this problem, delivering validated assays and freeing up staff and facilities for other projects.

We offer two basic categories of services:

SC1181: Services for Drug Compound Discovery

SC1182: Services for Therapeutic Antibody Detection

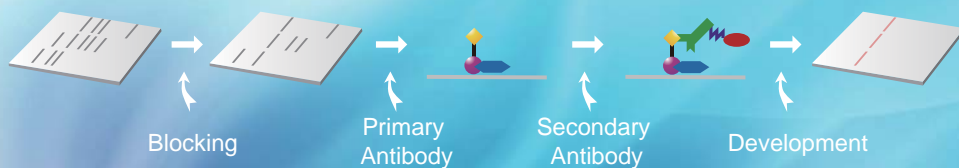
Our services include the following:

- * Antigen and immunogen preparation
- * Cell line generation
- * Reagent preparation
- * Antibody production, purification, and modification
- * Immunoassay development
- * Assay kit manufacturing

Get a quote now: 1-877-436-7274 (Toll-Free)

Email: antibody@genscript.com

Classical Western Blot



2nd Generation ONE-HOUR Western™ Blot Better Results at a Lower Cost!

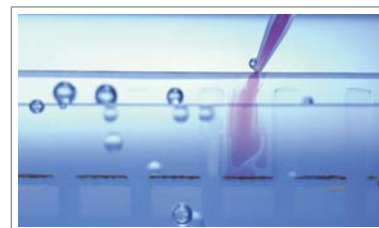


Effective immunological detection assays, Western blots, and ELISA play a critical role in neuroscience research. The lab that makes the next big breakthrough will have to rely not only on careful planning but also on the efficiency of its experimental process. With the help of GenScript's ONE-HOUR Western™ Blot Kits and Express™ ELISA Kits, lab efficiency can be increased significantly. Both of these innovated techniques shorten analysis time substantially with absolutely no reduction in sensitivity. In addition, they are easy to perform and produce highly consistent results. The ONE-HOUR Western™ Kits, for example, cut the total procedure time of a Western or dot blot from 4.5 hours to one hour.

GenScript's scientists are continuously searching for ways to improve technology and reduce costs. Recently, we upgraded to second-generation ONE-HOUR Western technology to give our customers even higher sensitivity and lower background. The GenScript Express™ ELISA Kit is designed to detect and quantitate antigen-specific antibodies in serums and other samples using a proprietary (patent pending) one-hour indirect ELISA procedure.

Products:

- ONE-HOUR Western™ Complete Kits
- ONE-HOUR IP-Western Kits
- ONE-HOUR Western™ Fluorescent Kits
- Express™ ELISA Kits

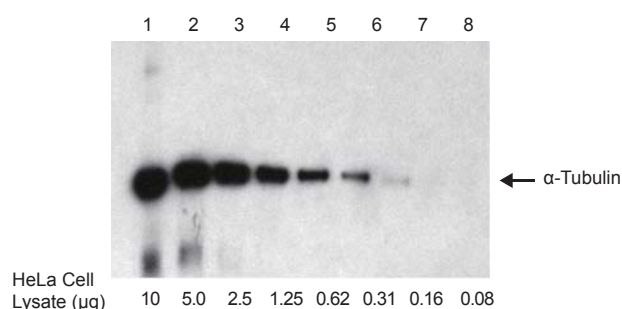


ONE-HOUR Western™ Complete Kits

>> Product List:

Cat. No.	Product Name	Size	Price	Promotion
L00204T	ONE-HOUR Western™ Complete Kit using TMB (Rabbit)	1 Kit (10 Assays)	\$255.00	\$178.50
L00205T	ONE-HOUR Western™ Complete Kit using TMB (Mouse)	1 Kit (10 Assays)	\$255.00	\$178.50
L00228T	ONE-HOUR Western™ Complete Kit using TMB (Goat)	1 Kit (10 Assays)	\$255.00	\$178.50
L00204C	ONE-HOUR Western™ Complete Kit (Rabbit)	1 Kit (10 Assays)	\$275.00	\$195.00
		5 Kits (50 Assays)	\$962.50	\$818.50
L00205C	ONE-HOUR Western™ Complete Kit (Mouse)	1 Kit (10 Assays)	\$275.00	\$195.00
		5 Kits (50 Assays)	\$962.50	\$818.50
L00228	ONE-HOUR Western™ Complete Kit (Goat)	1 Kit (10 Assays)	\$275.00	\$195.00
		5 Kits (50 Assays)	\$962.50	\$818.50

>> Examples:



Western blot detection of α -Tubulin using the ONE-HOUR Western™ Kit (L00204C) and polyclonal α -Tubulin antibody (abcam, ab4074) from HeLa cell lysates (BD Biosciences, #611449) .

ONE-HOUR Western™ Basic Kits

>> Product List:

Cat. No.	Product Name	Size	Price
L00204	ONE-HOUR Western™ Basic Kit (Rabbit)	1 Kit (10 Assays)	\$195.00
L00205	ONE-HOUR Western™ Basic Kit (Mouse)	1 Kit (10 Assays)	\$195.00
L00399	ONE-HOUR Western™ Basic Kit (Goat)	1 Kit (10 Assays)	\$195.00

ONE-HOUR Western™ Multiplex Kits

>> Product List:

Cat. No.	Product Name	Size	Price
L00315	ONE-HOUR Western™ Multiplex Kit I (GAPDH), Rabbit	1 Kit (10 Assays)	\$345.00
L00316	ONE-HOUR Western™ Multiplex Kit I (GAPDH), Mouse	1 Kit (10 Assays)	\$345.00
L00317	ONE-HOUR Western™ Multiplex Kit I (GAPDH), Goat	1 Kit (10 Assays)	\$345.00
L00318	ONE-HOUR Western™ Multiplex Kit II (β -Actin), Rabbit	1 Kit (10 Assays)	\$345.00
L00319	ONE-HOUR Western™ Multiplex Kit II (β -Actin), Mouse	1 Kit (10 Assays)	\$345.00
L00320	ONE-HOUR Western™ Multiplex Kit II (β -Actin), Goat	1 Kit (10 Assays)	\$345.00
L00321	ONE-HOUR Western™ Multiplex Kit III (α -tubulin), Rabbit	1 Kit (10 Assays)	\$345.00
L00322	ONE-HOUR Western™ Multiplex Kit III (α -tubulin), Mouse	1 Kit (10 Assays)	\$345.00
L00323	ONE-HOUR Western™ Multiplex Kit III (α -tubulin), Goat	1 Kit (10 Assays)	\$345.00

ONE-HOUR Western™ Advanced Kits

>> Product List:

Cat. No.	Product Name	Size	Price
L00241	ONE-HOUR Western™ Advanced Kit (Rabbit)	1 Kit (10 Assays)	\$345.00
L00242	ONE-HOUR Western™ Advanced Kit (Mouse)	1 Kit (10 Assays)	\$345.00
L00243	ONE-HOUR Western™ Advanced Kit (Goat)	1 Kit (10 Assays)	\$345.00

ONE-HOUR IP-Western Kits

GenScript is currently offering a time-limited \$100 discount for first-time orders of ONE-HOUR IP-Western Kits (Promotion Code: G050173). What are you waiting for? Please order now!

>> Product List:

Cat. No.	Product Name	Size	Price
L00231	ONE-HOUR IP-Western Kit (Rabbit)	1 Kit (10 Assays)	\$375.00
L00232	ONE-HOUR IP-Western Kit (Mouse)	1 Kit (10 Assays)	\$375.00
L00233	ONE-HOUR IP-Western Kit (Goat)	1 Kit (10 Assays)	\$375.00

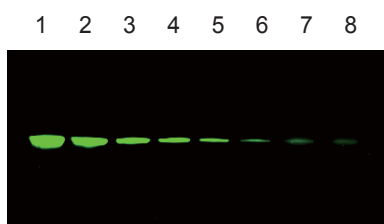
ONE-HOUR Western™ Fluorescent Kits

>> Product List:

Cat. No.	Product Name	Size	Price
L00397	ONE-HOUR Western™ Fluorescent Kit	1 Kit (10 Assays)	\$185.00

>> Examples:

Fluorescent Western blot detection of GAPDH using Goat Anti-GAPDH Polyclonal Antibody (GenScript, A00191).



HeLa cell lysate (µg) 5.0 2.5 1.25 0.62 0.31 0.16 0.08 0.04

Fluorescent Western blots for the detection of GAPDH using the ONE-HOUR Western™ Fluorescent Kit (GenScript, L00397). 5.0, 2.5, 1.25, 0.62, 0.31, 0.16, 0.08, and 0.04 µg of HeLa cell lysates were loaded into lanes 1, 2, 3, 4, 5, 6, 7, and 8 respectively.

Mixture 1 was prepared by mixing 6 µg of Goat Anti-GAPDH Polyclonal Antibody (GenScript, A00191) with 3 µg of IRDye®800CW Donkey Anti-Goat (LI-COR) in 100 µl of WB-1.

ONE-HOUR Western™ Multiplex Fluorescent Kits

>> Product List:

Cat. No.	Product Name	Size	Price
L00398	ONE-HOUR Western™ Multiplex Fluorescent Kit	1 Kit (10 Assays)	\$245.00

GenScript also provides reagents and other accompanying products for its line of ONE-HOUR Western™ Kits, including detection substrates, solutions, membranes, PAGE gels, and labware.

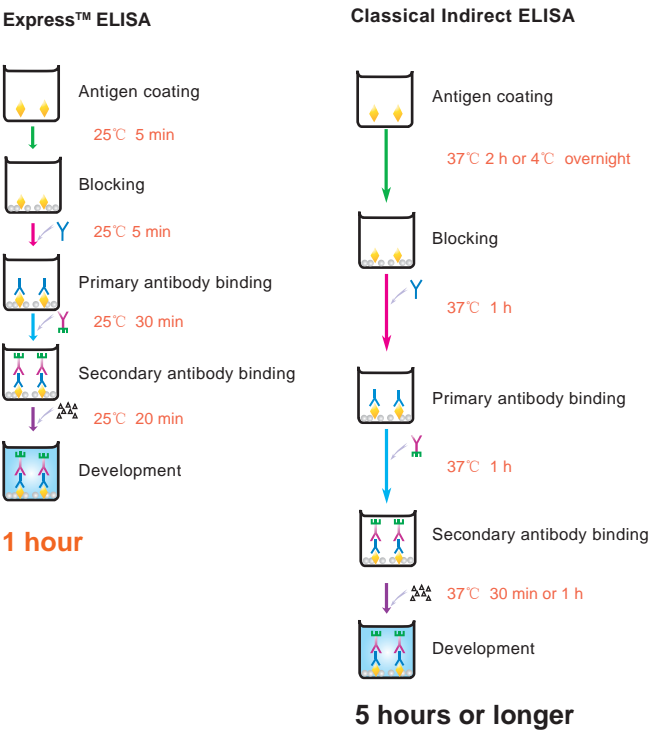
Express™ ELISA Kit

The enzyme-linked immuno-sorbent assay is an immunological technique used to detect the presence of antigens and antibodies in samples. There are two types of ELISA, indirect ELISA and sandwich ELISA.

Indirect ELISA has applications in medicine and industry as a diagnostic and QC tool. In antibody production, indirect ELISA is commonly used for antibody titer determination.

Indirect ELISA typically takes more than five hours. This tedious procedure can cause clogs in even the most efficient labs. This is particularly true for automated systems that process large quantities of sample.

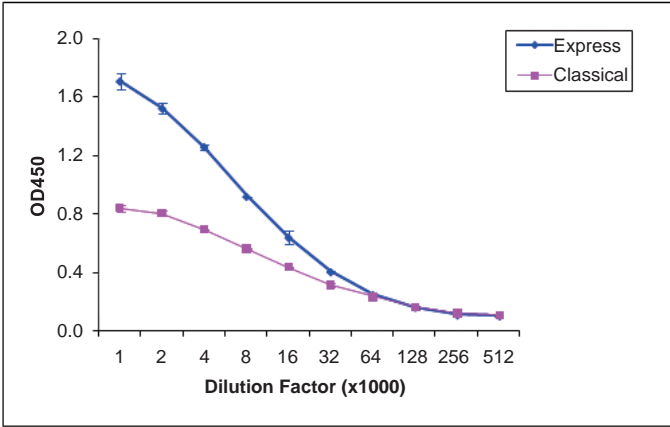
The GenScript Express™ ELISA Kit cuts total indirect ELISA time down to just one hour while producing journal-quality results, as shown in the figure at right. More importantly, the Express™ ELISA Kit provides a wider dynamic range with much better linearity than the classical indirect ELISA, as shown in the figure below. Although the GenScript Express™ ELISA Kit has many possible applications, it is particularly serviceable for large-scale antibody titer determination.



>> Key Features:

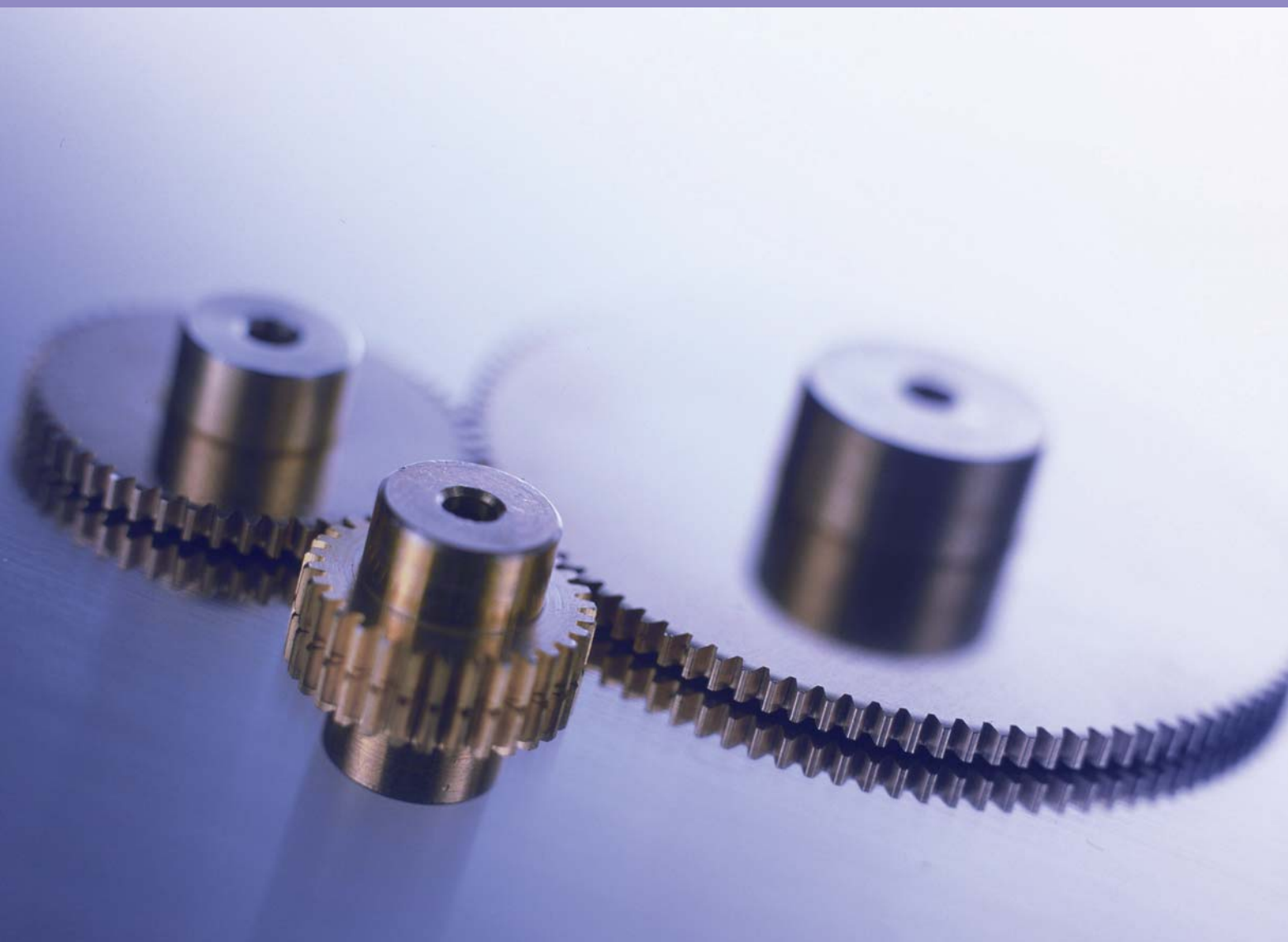
- **Quicker procedure:** GenScript's Express™ ELISA Kit shortens indirect ELISA procedure time to one hour.
- **Wider dynamic range:** The Express™ ELISA Kit provides a wider dynamic range than classical ELISA.
- **Better linearity:** The Express™ ELISA Kit offers better linearity than the traditional method.
- **Needs less optimization:** GenScript's Express™ ELISA Kit needs far less optimization than classical ELISA.

Dynamic Range and Linearity of Express™ ELISA



>> Product List:

Cat. No.	Product Name	Size	Price
L00251	Express™ ELISA Kit (Rabbit)	1 Kit	\$396.00
L00252	Express™ ELISA Kit (Mouse)	1 Kit	\$396.00
L00253	Express™ ELISA Kit (Goat)	1 Kit	\$396.00

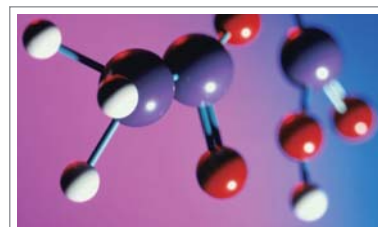


High-quality peptide synthesis has become a necessity in functional assays, antibody production, and drug discovery. Many peptides are involved in neurological pathways and act as important players and as such play a role in the research into many neurological diseases. For example, the peptide β -amyloid (1-42) is associated with the pathogenic processes of Alzheimer's disease. Most GenScript peptides come equipped with QC data, including HPLC and MS profiles. Our catalog includes over 1,500 different peptides available, all offered on both small and large scales. All of the peptides in our collection are available at over 95% purity. GenScript also offers blocking peptides for some of our neuroscience antibodies. These peptides are suitable to many applications, including Western blotting and immunohistochemistry assays. They can be used to confirm that the observed signal is due to the antibody's interaction with target antigen and not to non-specific binding.

Make GenScript's state-of-the-art peptide synthesis technology and experienced peptide chemists your partners in success.

Products:

- β -amyloid peptides
- Amylin peptides
- Blocking peptides for neuroscience research



β-Amyloid Peptides

>> Product List:

Cat. No.	Product Name	Size	Price
RP10002	β-Amyloid (1-28)	0.5 mg	\$80.75
RP10004	β-Amyloid (1-40)	0.5 mg	\$114.00
RP10008	β-Amyloid (25-35)	5 mg	\$209.00
		1 mg	\$52.25
RP10013	β-Amyloid (1-42), rat	0.5 mg	\$175.75
RP10016	β-Amyloid (1-40), rat	0.5 mg	\$156.75
RP10017	β-Amyloid (1-42), human	0.5 mg	\$118.75
RP10034	β-Amyloid (42-1)	0.5 mg	\$285.00
RP11278	Amylin, human, amide	0.5 mg	\$137.75
RP20101	β-amyloid (1-33)	0.5 mg	\$147.00
RP20102	β-amyloid (11-22)	0.5 mg	\$28.00
RP20103	β-amyloid (1-16)	0.5 mg	\$25.00
RP20104	β-amyloid (12-28)	0.5 mg	\$49.00
RP20105	β-amyloid (18-28)	1 mg	\$42.00
RP20106	β-amyloid (1-11)	1 mg	\$42.00

Amylin Peptides

>> Product List:

Cat. No.	Product Name	Size	Price
RP11276	Amylin (8-37), human	0.5 mg	\$128.25
RP11277	Amylin (8-37), amide, rat	0.5 mg	\$80.75
RP11278	Amylin, human, amide	0.5 mg	\$137.75
RP11280	Amylin, amide, rat	0.5 mg	\$109.25
RP13732	Amylin, feline	0.5 mg	\$237.50

Blocking peptides for neuroscience research

>> Product List:

Cat. No.	Product Name	Size	Price
RP19549	GSK3α (Phospho-Ser21) pAb Blocking Peptide	100 ug	\$50.00
RP19539	GSK3β (Phospho-Ser9) pAb Blocking Peptide	100 ug	\$50.00
RP19706	Tau (Ab-235) pAb Blocking Peptide	100 ug	\$50.00
RP19726	Tau (Phospho-Ser235) pAb Blocking Peptide	100 ug	\$50.00
RP19731	Tau (Phospho-Ser214) pAb Blocking Peptide	100 ug	\$50.00
RP19733	Tau (Phospho-Thr231) pAb Blocking Peptide	100 ug	\$50.00
RP19735	Tau (Phospho-Ser262) pAb Blocking Peptide	100 ug	\$50.00
RP19737	Tau (Phospho-Ser404) pAb Blocking Peptide	100 ug	\$50.00
RP19935	Tau (Ab-422) pAb Blocking Peptide	100 ug	\$50.00
RP19865	β-Catenin (Phospho-Ser33) pAb Blocking Peptide	100 ug	\$50.00
RP19867	β-Catenin (Phospho-Ser37) pAb Blocking Peptide	100 ug	\$50.00
RP19741	β-Catenin (Phospho-Thr41, Ser45) pAb Blocking Peptide	100 ug	\$50.00

GenScript also provides a comprehensive collection of cosmetic peptides and pharmaceutical peptides to clients in cosmetic, pharmaceutical, and academic institutions all over the world. GenScript provides a variety of reliable GMP peptides capable of increasing the speed or accuracy of even the trickiest study.

If you cannot find your peptides on our list, try our Express Peptide™ Service, and receive high-quality peptides in eight business days, guaranteed.