

Custom Peptide/Protein Antibody Form Page 1

Email to: biosyn@biosyn.com

Fax to: 972-420-0442

Contact Custom Services at: 800-227-0627



PO#:	Purchasing Contact:
Quote#:	Phone: Fax:
PI Name:	Email:
Institution:	Credit Card#:
PI Phone: Fax:	Expiration Date:
Email:	Card Holder's Name:
Shipping Address:	Billing Address:

If antigen is a peptide to be synthesized by BioSynthesis or supplied by the client, please fill out the portion below. If it is a protein, then skip portion below and fill out Antigen Information Supplement.

Name of Peptide: _____ *Please inquire on peptide lead times.*

Sequence N-term to C-term

<input type="checkbox"/>																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<input type="checkbox"/>																	
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

BioSynthesis does not recommend a peptide length over 20 residues for antibody production

Service Package		Conjugation		N-term Modification		C-term Modification		Internal Modification	
<input type="checkbox"/> Economy	<input type="checkbox"/> Super Class	<input type="checkbox"/> KLH	<input type="checkbox"/> Amide	<input type="checkbox"/> Amide	<input type="checkbox"/> Phosphorylation				
<input type="checkbox"/> Economy+	<input type="checkbox"/> Super Class+	<input type="checkbox"/> BSA	<input type="checkbox"/> Acetylation	<input type="checkbox"/> Amidation	<input type="checkbox"/> Methylation				
<input type="checkbox"/> First Class	<input type="checkbox"/> Phospho Specific	<input type="checkbox"/> OVA	<input type="checkbox"/> Phosphorylation	<input type="checkbox"/> Phosphorylation	<input type="checkbox"/> Hydroxylation				
<input type="checkbox"/> First Class+	<input type="checkbox"/> Other	<input type="checkbox"/> THY	<input type="checkbox"/> Methylation	<input type="checkbox"/> Methylation	<input type="checkbox"/> Acetylation				
<input type="checkbox"/> MAP Economy		<input type="checkbox"/> MAP							

Notes: _____

Post Protocol: You may arrange to have your animals kept alive past the protocol schedule for an extra fee. BioSynthesis must receive instructions within 10 days after we ship your results to you. If we don't hear from you during this time, your animals may be terminated.

**For additional questions on offerings and pricing, please contact Custom Services at:
Ph: 800 227-0627 or Email: biosyn@biosyn.com**

The supplied immunogen can be a fusion protein or recombinant, 1.5 - 2.0 mg is required.

Fields marked with * MUST be filled in

Antigen Information Supplement
Type of antigen*: <input type="checkbox"/> Lipid <input type="checkbox"/> Virus <input type="checkbox"/> Bacteria <input type="checkbox"/> Cell Lysate <input type="checkbox"/> Protein <input type="checkbox"/> Carbohydrate <input type="checkbox"/> Conjugated Peptide <input type="checkbox"/> Unconjugated Peptide <input type="checkbox"/> Other:
Name of Antigen*:
Origin of Antigen*: <input type="checkbox"/> Human <input type="checkbox"/> Mouse <input type="checkbox"/> Rat <input type="checkbox"/> Yeast <input type="checkbox"/> E. coli <input type="checkbox"/> Other:
Molecular Weight*:
Solubility:
Is your antigen toxic or harmful to humans/animals? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is the sequence of the antigen available? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, please include the sequence:
Does your antigen have known homologs in other species? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, please specify:

The concentration of the sample must be at least 200 µg/mL. The buffer cannot contain organic solvents.

Storage/Shipping Conditions
What is the storage/shipping temperature?
If shipped lyophilized, what is the reconstitution buffer?
If shipped in solution, what buffer is used?
What is the concentration?
What is the volume?

Antigen Conjugation
Is the antigen conjugated? <input type="checkbox"/> Yes <input type="checkbox"/> No
If YES, please specify the carrier protein: <input type="checkbox"/> KLH <input type="checkbox"/> BSA <input type="checkbox"/> Other:
If NO, please select from the following choices: <input type="checkbox"/> I want Bio-Synthesis to conjugate the antigen to carrier protein: <input type="checkbox"/> KLH <input type="checkbox"/> BSA <input type="checkbox"/> Other: <input type="checkbox"/> I do not want to conjugate the antigen to a carrier protein. Please specify the reason:
Do you have previous experience raising antibodies against this antigen? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, please include any related data and/or references about previous attempts on a separate sheet.

Protocol Selection:	
Type of Protocol: <input type="checkbox"/> Standard 70 Days Protocol <input type="checkbox"/> Customer Specified Protocol <input type="checkbox"/> Project Extension <i>Protocol lead times do not include peptide lead time</i>	
Co-Injection	Antigen 1: _____ Antigen 2: _____
Additional Animals: <i>Indicate the number of additional animals you would like to order, otherwise leave blank.</i>	
Prescreen: <input type="checkbox"/> Rabbit (5) <input type="checkbox"/> Chicken (5) <input type="checkbox"/> Mouse (10) <input type="checkbox"/> Rat (5) <input type="checkbox"/> Sheep (5) <input type="checkbox"/> Goat (5) <input type="checkbox"/> Guinea Pig (5) <input type="checkbox"/> Hamster (6) <input type="checkbox"/> None <i>Additional Charges will apply for Prescreening services</i>	
Affinity Purification: <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If YES, please choose Aliquots</i>	
Serum containment: <input type="checkbox"/> Aliquots or <input type="checkbox"/> Bleeds <i>Standard Protocols will ship at the end of pre-bleed and 4th week bleed. Only shipped as bleeds unless affinity purification is requested</i>	
Serum Shipments: <input type="checkbox"/> Shipped as received or <input type="checkbox"/> Ship all at end of protocol <i>If shipped as received is selected, extra shipping charges may apply</i>	

Special Instructions	
Please ensure that your antigen does not contain anything that may have harmful/toxic effects in animals, for example urea, formalin, sodium azide, glycerol, extreme pH, high salt concentration. I CONFIRM THAT MY IMMUNOGEN IS FREE FROM HAZARDOUS MATERIALS*	
Signature: _____	Date: _____

Certificate of Analysis of Your Antigen
Please attach your COA data of your customer antigen. (ex. SDS-PAGE for protein antigen)

Service Requirements
Please visit www.biosyn.com to see our complete polyclonal service packages and enter your service requirements below

Bio-Synthesis will make every effort to reduce the production turnaround time. Delays may be incurred if the antigen is poorly immunogenic. The success of a project is dependent upon the materials used, supplied by either the customer or by our supplier. Some or all animals may fail to give a response to certain antigens. Please note that Bio-Synthesis does not guarantee that antigens provided by customer will elicit an immune response.

Name of Peptide:

The peptide name can include both numbers and letters. The peptide name cannot be longer than 15 characters.

Peptide Sequence

Enter the peptide sequence you want synthesized, starting from the N-terminal (left) and ending with the C-terminal (right). Please use the single letter code (i.e. enter "Y" for Tyr or Tyrosine)...

Peptide Sequence with Modifications:

For all modifications, the modification is written into the sequence in brackets.

Phosphorylation example: KGQAKGPGPSIE [pY]ELPVEETKG

Purity:

We offer the following purities: crude, >75%, >85%, >95%, or MAP peptide.

Type of Protocol:

Standard Protocol: 70 days protocol, on all animals provided by BioSynthesis unless otherwise specified.

Please note: Some or all animals may fail to give a response to certain antigens. BioSynthesis does not guarantee that a given antigen will elicit an immune response.

Conjugation:

You can choose from hapten carriers such as KLH (Keyhole Limpet Hemocyanine), BSA (Bovine Serine Albumin), OVA (Ovalbumin), and THY (Thyroglobulin). We also offer MAP peptides (Multiple Antigen Peptide).

For one order of conjugation, you receive 6 mg of conjugated peptide and the remaining linear peptide is shipped under separate cover. For MAP peptide, you will receive 8-12 mg. Note that MAP can only be ordered with crude (>50%) purity.

Important: *MAP peptide shipments do not include mass spec or other data (MAP lysine core interferes with measurements/analysis).*

Animals for Standard Protocol:

We offer the following animals: rabbit, chicken, mouse, rat, sheep, goat, guinea pig, and hamster. The number in brackets after the animal species on the form is number of animals included in the standard protocol. To see the injection schedules for all species, please visit www.biosyn.com

Co-injection:

You can enter up to 2 additional peptide names of peptides to be injected in your standard protocol animals. Please fill out and attach an additional form for each additional peptide. BioSynthesis offers peptide-affinity purification to purify your antiserum after the standard protocol.

Important: Even if you order affinity purification or Protein A/G purification prior to or during the standard protocol, we cannot purify until we have specific instructions from you which bleed(s) from which animal(s) you want purified.

Prescreen:

To help you select the animals best suited to your peptide-antibody project, we offer a pre-screening service. The service delivers 4 ml aliquots shipped to you to test in your own assay. You will also receive ELISA titer results if specified. (Please note: an additional charge will apply for this service.)

Additional Serum/Aliquot Shipments:

Your serums are held at BioSynthesis until we receive instructions from you. For rabbit standard protocol, we can ship your serums as they are taken if specified. For all other animals, please call 800 227 0627.

Extensions/Maintenance:

You may arrange to have your animals kept alive past the end of the protocol. BioSynthesis must receive instructions within 10 business days after we ship your results to you. If we don't hear from you during this time, your animals may be terminated on your bill. To give instructions for your animals online please go to www.biosyn.com.

Important: *Maintenance does not include any boosts or bleeds. Animals on maintenance may have a higher chance of decreasing titer compared to an animal that is being injected regularly.*