



Quality Antibody Production Since 1960

Pocono Rabbit Farm & Laboratory, Inc.

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# Polyclonal Antibody Order Form

Please use one form for each antigen

Contact Name \_\_\_\_\_ PI Name \_\_\_\_\_

Purchase Order / Credit Card / Payment Method \_\_\_\_\_

Client Information Form must be on file before projects can start!

\_\_\_\_\_ **Antigen Name**—A name should be provided to PRF&L for each antigen.  
This name will appear on sera vials and all reports. This name should be ten characters or less.

## Peptide Synthesis

\_\_\_\_\_ Peptide Selection / Synthesis / Conjugation (email protein sequence & specifications to antibody@prfal.com)

\_\_\_\_\_ Peptide Synthesis & Conjugation

Peptide Sequence \_\_\_\_\_

For all peptides, 10 to 14mg of peptide will be synthesized at 80% purity and 4mg conjugated to KLH.

Package pricing is for peptides up to 20 amino acids.

If peptide is over 20aa, additional charges will apply.

Peptides should have terminal cystine for conjugation

\_\_\_\_\_ increase peptide purity to 85 percent

\_\_\_\_\_ increase peptide purity to 90 percent

\_\_\_\_\_ increase peptide purity to 95 percent

\_\_\_\_\_ increase peptide supply to 15 to 20mg

We are able to accommodate almost any special order.

\_\_\_\_\_ Conjugation of customer supplied peptide to KLH

Please supply sequence if known.

Other conjugates such as BSA and OVA available.

Special requests. Special requests and modified peptides subject to additional charges.

## Animals to be used for Immunizations

\_\_\_\_\_ Number of Rabbits

\_\_\_\_\_ Number of Guinea Pigs

\_\_\_\_\_ Number of Rats

\_\_\_\_\_ Number of Chickens

\_\_\_\_\_ Number of Mice

\_\_\_\_\_ Number of Goats

\_\_\_\_\_ Number of Sheep

## Preimmune Screening Service

If background titers that may be present in normal sera in the species that you choose for antibody production is a concern, you may select our optional preimmune screening service for an additional charge. Please contact us for details on this service. In this box, please indicate what species you want and how many of animals you want.

## Antigen Supply

If you are sending antigen, amount of antigen sent: \_\_\_\_\_ aliquots at \_\_\_\_\_ mg each = \_\_\_\_\_ total mg

If you are sending antigen in solution, indicate the concentration \_\_\_\_\_ mg/ml

If you are sending antigen in solution, please indicate buffer \_\_\_\_\_

Please indicate storage temperature for your antigen \_\_\_\_\_ 4°C OR \_\_\_\_\_ -80°C

If PRF&L depletes the antigen supply, can more be sent \_\_\_\_\_ YES or \_\_\_\_\_ NO

If you are sending the antigen, indicate any special preparation instructions on a separate sheet.

## Immunization & Bleeding Protocol

Please see our website for details and prices on these protocols All protocols include preimmune bleed.

**Please select a Mighty Quick, Traditional, or Custom Design Protocol to use:**

### Mighty Quick Protocols

\_\_\_\_\_ 28 Day Mighty Quick Protocol

\_\_\_\_\_ 49 Day Mighty Quick Protocol

Then, please select one:

\_\_\_\_\_ Closed Protocol - Final bleed / exsanguination at last day of protocol. (lowest cost)

\_\_\_\_\_ Open Protocol - Routine bleed at last day of protocol and begin project extension.

### Traditional Protocols

\_\_\_\_\_ 70 Day Antibody Production Package—Intradermal injections for Rabbits, Goats, & Sheep.

Intramuscular injections for Guinea Pigs & Chickens, Intraperitoneal injections for Rats & Mice.

Do not select this protocol if your antigen is in a gel.

\_\_\_\_\_ 84 Day Fusion Protein Protocol

\_\_\_\_\_ 91 Day Antibody Production Package—Subcutaneous Injections, available for all species.

Then, please select one:

\_\_\_\_\_ Closed Protocol - Routine bleed at last day of protocol. Animal(s) then euthanized / discard. (lowest cost)

\_\_\_\_\_ Closed Protocol - Final bleed / exsanguination at last day of protocol.

\_\_\_\_\_ Open Protocol - Routine bleed at last day of protocol and begin project extension.

\_\_\_\_\_ **Custom Design Protocol**—Submit protocol via email or on separate sheet

## Project Extensions for Open Protocols

After the initial period, we will begin one the following extensions that you select. Animals will be terminated only upon your request. Keep in mind that *custom project extensions are available*. All procedures and maintenance fees after the initial protocol will be charged according to the Custom Polyclonal Antibody Production Price Schedule.

\_\_\_\_\_ Extension A: Boost and Bleed—Includes boost 14 days after the last bleed and another bleed 14 days later. We will continue this boost and bleed cycle until we are notified to switch to another option.

\_\_\_\_\_ Extension B: Weekly production bleeds & 1 boost immunization per 28 days. We will continue this option until we are notified to switch to another option.

\_\_\_\_\_ Extension C: Hold - Wait for instructions to proceed. No boosts or bleeds. Maintenance fees accrue during hold period.

If no extension is indicated, Extension A is followed.

If antigen supply is depleted for Extension A or B, you will be notified. If we continue the project without additional antigen, the project will proceed with just the bleeding schedule until we are notified to do something else.

*You must contact us to terminate open projects.* Termination options are exsanguination (final bleed) or discard (no final bleed).

Keep in mind for multiple animal projects, all the animals do not need to follow the same extension protocol.

Other extension options are available — please contact us first.

## Adjuvants

Adjuvants are used to enhance the antibody response and should be used for most antigen types. All of our packages include using Freund's Complete Adjuvant for the initial injection and Freund's Incomplete Adjuvant for all boosts. See the FAQ section of our website for details about Freund's Adjuvants. Other adjuvants are available and may be requested here. Additional charge applies for most other adjuvants if they are supplied by PRF&L.

## ELISA

- ELISA for first immune bleed (lowest cost)  
 ELISA for first immune bleed / normalize to preimmune bleed (more accurate results)  
 ELISA for first and second immune bleed / normalize to preimmune bleed (able to see if titer is changing)  
Additional ELISAs may be ordered as the project progresses.

For protein projects, ELISA will be performed with the same protein as injected. For peptide projects, KLH conjugated peptide is injected and ELISA is performed with free peptide. However, more reliable results can be obtained if BSA or OVA conjugated peptide is used on the ELISA plate. You may supply the BSA or OVA conjugated peptide or we can conjugate some peptide to BSA or OVA.

- Conjugate 2 to 4mg of peptide to BSA or OVA (circle one) for ELISA, additional cost.

## Purification

We recommend testing the sera first as the sera may work just as well as a purified antibody before making a final decision on purification. Purification services may be ordered after your testing of sera.

- Protein A or Protein G Purification (circle method)  
 Affinity Purification using either peptide or protein. Please indicate the buffer if different than the antigen supply used for immunizations. Certain buffers subject to additional charges due to additional processing necessary.

Volume of Sera per batch:

- up to 5ml     6 to 25ml     26 to 50ml     51 to 100ml     over 100ml  
 Prepare affinity column without purification.

Unless otherwise requested, sodium azide and BSA will be added to all purified antibodies.

Chickens:

Eggs yolks can be IgY purified. Order IgY purification by the number of eggs to be purified. Again, PRF&L recommends that the sera be tested first and order the IgY later.

## Shipping Options

All sera is shipped by FedEx Priority Overnight, frozen on dry ice. Preimmune bleeds are stored & shipped with the first immune bleed. Shipping charge added for each package. PRF&L produced peptides are generally sent at the completion of the project, unless requested to be sent earlier. Sera is generally shipped according to the following schedules:

91 Day Protocol—Sera is shipped after bleeds at day 42, 70, and 91.

70 Day Protocol—Sera is shipped after each immune bleed.

Mighty Quick Protocols—Sera shipped after day 28. For 49 Day Mighty Quick Protocol, 2nd shipment after Day 49.

Fusion Protein Protocol—Sera is shipped after day 63, then after each immune bleed.

Production Bleed Extensions—We store bleeds and ship every four weeks

*Please indicate any shipping exception here:*

- Store & ship sera at 4°C     Add 0.02% sodium azide to sera (no additional charge)  
 Store sera at 4°C and ship without refrigerant (lowest cost)

### ASSURANCE STATEMENT *PRF&L must have this signed assurance before initiating your project.*

I give assurance that *no biohazardous or radioactive materials, toxic, carcinogenic, infectious, or transmissible agents* have been submitted to PRF&L for injection into animals. The animals injected are owned solely by PRF&L. However, all of the serum and products obtained from the animals will be the property of the undersigned (project sponsor). I assure that the information in this form is fully and accurately presented. The USDA and NIH require that assurance be given that this request does not unnecessarily duplicate previous experiments.

**Signed X** \_\_\_\_\_ **Date** \_\_\_\_\_