



CAMBRIDGE
RESEARCH BIOCHEMICALS

PROTEIN IMMUNISATION SERVICE

(product code CA-14-0050)

Custom polyclonal antibody service

crb provide a simple and cost-effective procedure for producing a rapid polyclonal antibody using a protein.

Comprising:

- ✔ Protein antigen provided by customer (1-2mg)
- ✔ Guidance on preferred buffer and concentration
- ✔ Pre-screening of five rabbits pre-immune sera
- ✔ Customer validation of best two rabbits determined
- ✔ Two rabbit optimised immunisation programme

Pre-screening:

- ✔ Week 0 - Receipt of customer own protein and signed protein immunisation guide
- 5 pre-immune bleeds available for screening
- ✔ Week 2 - 2 optimum rabbits chosen

Price: **£350**

Immunisation schedule:

- ✔ Week 2 - Start of immunisation programme (11 weeks)
- Immunisation 1
- ✔ Week 4 - Immunisation 2
- ✔ Week 5 - Bleed 1 (5ml)
- ✔ Week 6 - Immunisation 3
- ✔ Week 7 - Bleed 2 (5ml)
- ✔ Week 8 - Immunisation 4
- ✔ Week 9 - Production bleed 3 (20ml)
- ✔ Week 10 - Immunisation 5
- ✔ Week 11 - Production bleed 4 (20ml)
- ✔ Week 12 - Immunisation 6
- ✔ Week 13 - Final harvest bleed

Price: **£960**

Additional services:

Code: CA-14-0020
Service: Elisa analysis of all bleeds

Price: **£80 per bleed**

Code: CA-14-0030
Service: Affinity or protein A purification of final harvest bleed

Price: **£560**

Code: CA-14-0040
Service: Charge for each additional rabbit

Price: **£480**

Pre-screening: **£350** + Immunisation: **£960**

Total price: **£1310**

Cambridge Research Biochemicals

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PROTEIN IMMUNISATION GUIDE

Protein

Antigen name

How is the protein derived?

HINT: Host, expression system, soluble/inclusion body, refolded protein, purification method (e.g. 6-His, GST or MBP Tag). If you have sub-contracted the expression of the protein, please provide supplier's details and datasheet.

How is the protein to be supplied?

HINT: In solution If so, what is the buffer?
Lyophilised If so, which buffer should we re-suspend it in?
PAGE slice

Buffer

In general, most buffers and additives are suitable for antibody production apart from detergents, protein solubilising and refolding agents such as urea and guanidinium hydrochloride and organic solvents such as DMSO.

Total antigen to be provided (mg)
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Concentration (mg/ml)

As a guideline, we need 1-2mg of protein for a two rabbit immunisation programme.

Immunisation

Which species do you require and how many?	species	number
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HINT: We would typically recommend a minimum of two rabbits. Other species include rat, mouse, goat, sheep, chicken.

Screening for Antibody

For ELISA analysis, we need an additional 1mg of antigen to coat immunoassay plates. It would be better to provide an untagged protein or differently tagged protein so that we can measure the immune response specifically to the target protein (and not the tag). We can accept tagged protein if it is all that is available and would suggest that screening may also be performed against the tag alone as a comparative control.

Animal Welfare Assurance

I CERTIFY THAT THE ANTIGEN I AM SENDING TO CAMBRIDGE RESEARCH BIOCHEMICALS LIMITED FOR THE PURPOSES OF RAISING A POLYCLONAL ANTIBODY IS FOR RESEARCH PURPOSES ONLY, AND IS **NOT DANGEROUS TO PEOPLE OR ANIMALS. FURTHERMORE, THE SUPPLIED ANTIGEN IS NOT A LIVE BACTERIA/VIRUS, ANIMAL/HUMAN PATHOGEN OR TOXIC/HAZARDOUS TO ANIMALS OR PERSONNEL.**

Signature		Print Name	
Email		Date	/ /
Company / Institute Address			

Important Note

Please provide a datasheet with details of protein name, molecular weight (kDa), amount (mg), buffer, concentration (mg/ml) and volume (ml) per tube. Please label tube(s) clearly with volume & concentration or weight.

Fax this completed form to 01642 567181
OR scan & email to immunology@crbdiscovery.com

Immunology Department

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