



CAMBRIDGE  
RESEARCH BIOCHEMICALS

# PROTEIN IMMUNISATION SERVICE

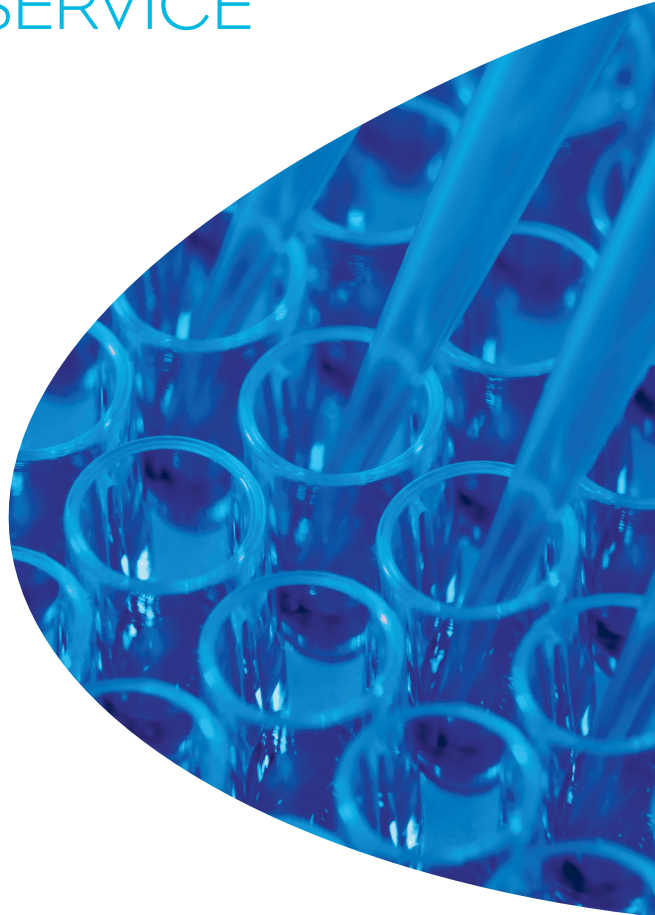
(product code CA-14-0050)

## Custom polyclonal antibody service

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

### Comprising:

- Y Protein antigen provided by customer (1-2mg)
- Y Guidance on preferred buffer and concentration
- Y Pre-screening of 5 Rabbits pre-immune sera
- Y Customer validation of best 2 Rabbits determined
- Y Two rabbit optimised immunisation program
- Y Free storage for up to 6 months



### Pre-screening:

Price €460

- |          |  |
|----------|--|
| ➤ Day 0  | Receipt of customer own protein and signed protein immunisation guide<br>5 pre-immune bleeds available for screening |
| ➤ Day 10 | 2 optimum rabbits chosen   |

### Immunisation Schedule:

Price €1340

- |          |   |
|----------|---|
| ➤ Week 0 | Start of immunisation programme (9 weeks)<br>Immunisation 1 |
| ➤ Week 2 | Immunisation 2  |
| ➤ Week 3 | Bleed 1   |
| ➤ Week 4 | Immunisation 3  |
| ➤ Week 5 | Bleed 2   |
| ➤ Week 6 | Immunisation 4  |
| ➤ Week 7 | Production bleed 3  |
| ➤ Week 8 | Immunisation 5  |
| ➤ Week 9 | Final harvest bleed   |

### Additional Services:

Code: CA-14-0020

Service: Elisa analysis of all bleeds

Price: €120 per bleed

Code: CA-14-0030

Service: Affinity or protein A purification of final harvest bleed

Price: €885

Code: CA-14-0040

Service: Charge for each additional rabbit

Price: €670

Pre-screening: €460 + Immunisation: €1340

Total price: €1800

# 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**

Total antigen to be provided (mg)

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

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.

## Immunisation

Which species do you require and how many?

species

number

**HINT:** We would typically recommend a minimum of 2 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 assay tagged protein, however, and additionally perform ELISA screening for antibodies directed against the tag itself 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 / Insititute Adress |  |            |  |
|                             |  |            |  |

## 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 +44 (0)1642 567181  
OR scan & email to immunology@crbdiscovery.com

### Immunology Department

Cambridge Research Biochemicals Limited,  
17-18 Belasis Court, Belasis Hall Technology Park,  
Billingham, Cleveland TS23 4AZ United Kingdom

T +44 (0) 1642 567180 F + 44 (0) 1642 567181  
E enquiries@crbdiscovery.com  
www.crbdiscovery.com

