

Custom Antibody Project Request Form

Contact information

Contact Name	
Company/Institute Name	
Department	
Address	
Telephone	
Mobile Number	
Email	

If you do not have the answers to any of the following questions, please do not hesitate to ask us for advice. We are happy to provide any support you may need to develop a custom project that fits your needs.

Project Information: Antigens

1. Do you require antigen/immunogen design and synthesis services or are you providing the antigen/immunogen?

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2. How many antigens/immunogens will you be using?

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3. How many animals do you wish to use per batch/antigen/immunogen? Typically 2 rabbits are used for polyclonal projects and 4 mice are used for hybridoma projects.

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4. What is the concentration/presentation of your antigen/immunogen? 1mg/mL or greater in PBS is preferred.

5. How do you would like your antigen to be prepared/stored?

6. What volume/concentration would you like to be used for each immunization?

7. Do you require your antigen to be conjugated to a carrier molecule? If yes, please specify which one: Typically KLH is used if the immunogen is small (lower than 10 KDa and/or poorly immunogenic.

8. Is an adjuvant required? If yes, please specify which one: Typically Freund's Adjuvant System is used.

Project Information: Polyclonal Antibody Projects

1. Which animal model do you wish to use? Choose from: Rabbit, Goat, Sheep, Mouse, Rat, Alpaca, Llama, Chicken eggs, Emu eggs. Typically mice are used for hybridoma and rabbits for polyclonal projects

2. A typical Immunisation schedule is 77-day protocol. Do you require any customisation?

3. Serum samples can be supplied for client verification. Spleen tissue or terminal bleed serum can also be provided if required. Please specify if needed and for what purposes:

4. For ELISA-based project screening, we can perform these tests on your behalf. Alternatively, we can send you samples so that you can undertake these tests in-house but a rapid turnaround is necessary (less than one week). Please specify:

Project Information: Monoclonal Antibody Projects

1. A typical project includes the immunisation of 4 mice per immunogen. Do you require any customisation to the immunisation schedule?

2. Serum samples can be supplied for client verification. Spleen tissue or terminal bleed serum can also be provided if required. Please specify if needed:

3. Typically, the best 20-30 candidate hybridomas are identified following hybridoma development. We can provide a small volume of culture supernatant from these clones if required for secondary assays/hit confirmation. Please specify if required:

4. For ELISA based project screening, we can perform these tests on your behalf. Alternatively, we can send you samples so that you can undertake these tests in-house. Please specify:

5. For each subcloned hybridoma cell line, ELISA-Screened clones are cryopreserved. Typically, 2-5 mg of purified monoclonal antibody is delivered for client testing. Please specify if you require any changes:

6. For the large scale production of purified monoclonal antibodies, we can produce mg to g quantities. A Standard 1L batch culture can yield approx. 25-40 mg of purified antibody. Please specify the required amount and volume of purified antibody.

Project Information: Antibody Purification

1. Do you require any antibody purification services? Options include: Protein A, Protein G, Protein L or antigen affinity purification, ammonium sulphate precipitation, dialysis, and ultrafiltration, ion exchange chromatography, IgM or IgY purification. Please specify:

2. Do you require any additional antibody processing services? Options include: conjugation, labelling and fragmentation. If yes, please specify:

3. Do you require any quality control testing services? Options include: Endotoxin, mycoplasma. If yes, please specify which ones:

4. Shipping - Antibodies are supplied either as frozen material shipped at -20°C, or as liquid antibody shipped at 4°C. Please specify:

Prior to any project commencing, a Justification Application must be completed and returned in order to acquire the necessary veterinary approval to proceed. All schedules are also sent for pre-approval and sign-off prior to any work commencing on the project. No project will be terminated without written consent.

Shipping

For additional materials supplied as part of a custom antibody product service, shipping conditions are as follows:

- Sera will be supplied shipped frozen on dry ice.
- Custom cell lines will be shipped frozen on dry ice.
- Custom peptides are supplied as lyophilised material and shipped at ambient temperature.

Should you require different shipping conditions to those specified above, please advice.

Ownership

Antibodies remain the property of the client.

Support

Antibody Production Services is a division of Life Science Group Ltd.

To learn more, contact us:

Telephone: +44 (0) 1234 889180

Email: sales@lifesciencegroup.co.uk

Website: www.antibodyproduction.co.uk

Address: PO Box 1519, Bedford, United Kingdom