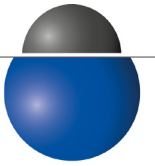


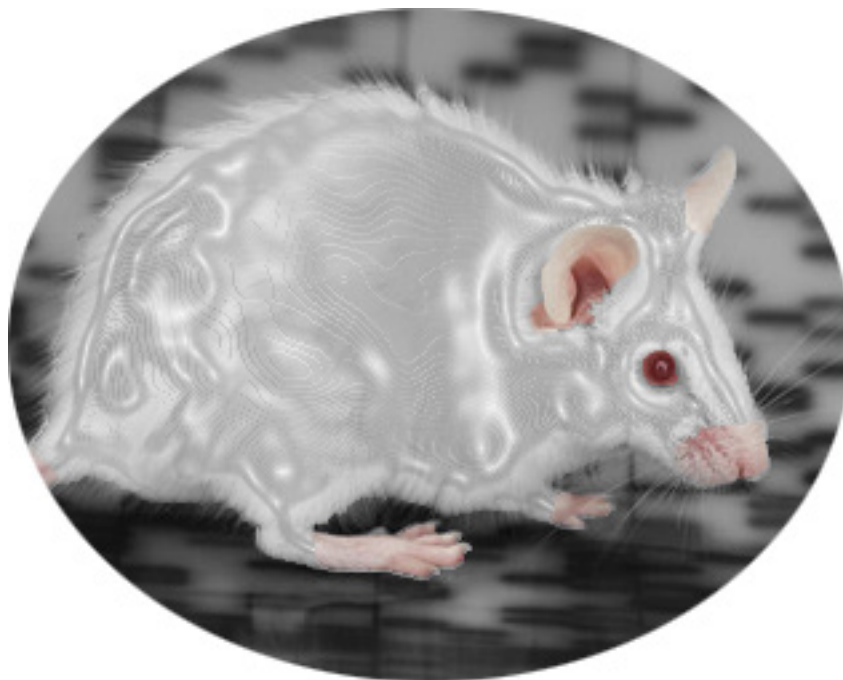
INVIVO



InVivo BioTech Services GmbH
a BRUKER company

MOUSE HYBRIDOMA DEVELOPMENT

EXPERIENCE IN
CUSTOMIZED SOLUTIONS



RELY ON US WITH YOUR OUTSOURCING NEEDS

DEVELOPMENT OF MONOCLONAL ANTIBODIES

Against proteins, peptides and haptens

Needed: • ~5 mg antigen (1 mg/mL in e.g. PBS-buffer)

- C- or N-terminal Cystein for small peptides

Recombinant proteins as antigens can either be produced in *E.coli* or transiently expressed in HEK- or CHO-cells at InVivo.

Immunisation

1

- Cross linking of the peptide to the carrier protein
- Immunisation of three Balb/c mice incl. boosting and bleeding
- Detection of antibody titre in mouse serum by ELISA test to find the highest titre mouse to be used for cell fusion

Cell Fusion, Selection, Screening

2

- Generation of the hybridoma primary cultures by fusing the spleen cells of the selected mouse with the myeloma cell line SP2/0
- Plating the fusion product into four 96-well plates for each fusion and cultivation in selective media
- Screening of primary cultures for wells producing specific antibodies against the antigen applied by ELISA test
- Transfer of specific antibody-secreting hybridoma colonies to 24-well plates for cell propagation and retesting for specific antibodies
- Determination of antibody titres of the repeated high positive clones

Cloning, Subcloning, Testing, Characterisation

3

- Selection of up to 8 primary cultures with a high level of antibody titres for cloning by limited dilution
- Screening of the cloned cultures by ELISA, identification of antibody titre of the highest positive clones and selection of cultures for subcloning
- Recloning of up to 4 of the best cloned cultures, testing by ELISA, determination of antibody titre and selection of the final clones
- Cultivation and propagation of 2 final antibody positive stable recloned cultures
- Isotyping and mycoplasma test
- Cryoconservation
- Delivery of cryo-stored clones on dry ice (3 vials for each final clone)
- Detailed protocol and documentation

Optional: Welcome Offer

4

- Cultivation in 1-litre scale
- One-step purification by protein A/G
- Guarantee of 10 mg purified monoclonal antibody

| | Time | Price* / Antigen |
|------------------------|-------------|-------------------|
| Work package 1 | 6 - 7 weeks | € 770.00 |
| Work package 2 | 5 - 6 weeks | € 2,500.00 |
| Work package 3 | 9 -11 weeks | € 3,750.00 |
| Total / Antigen | | € 7,020.00 |
| Work package 4 | 6 - 8 weeks | € 999.00 / clone |

* plus VAT and transport costs

We are open to meet your specific needs.
Our standard offer can be adjusted at any stage.

INVIVO BioTECH SERVICES GMBH - A BRUKER COMPANY

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ISO 9001 since 2004