Polyclonals & Monoclonals
With a remarkable flexibility

For over 25 years we have been a leading supplier of custom antibodies to IVD and biotech partners worldwide. We have acquired a strong expertise in developing both custom monoclonal and polyclonal antibodies in various hosts. We are able to handle large demanding projects with remarkable flexibility to meet the customer’s requirements and SOP’s. A project manager assigned to every project ensures that your request will be considered in a professional way.

■ Polyclonal Antibody Production

Polyclonal antibodies are produced in different hosts including SPF animals. Projects of >10 000 rabbits can be handled. You can use your own antigen or we can synthesize peptide(s) for immunization. We have been designing peptides for immunization for over 20 years and have developed specific algorithms for the most accurate design of good antigen. Accordingly our success rate is >95%.

We can manage classical projects as well as demanding ones including BL2 Antigens. Immunization scheme can follow our proprietary Speedy 28-day program or classical 87-day program, or be adapted to the customer’s own program.

We have a high expertise in producing antibodies against Post-translational modifications. By far the most popular request for PTM is Anti-Phosphorylation but we can also do Anti-Methylation, Anti-Acetylation and many more.

■ Monoclonal Antibody Development and Production

We generate monoclonal antibodies from hybridoma’s using standard methods, and we are particularly experienced in producing mAbs from hybridoma’s developed in house, or provided by the customer.

We produce mAbs in vitro in accordance with Belgian animal regulations and the 2010-63-UE directive for animal welfare. Based on the requested antibody amount and the clone productivity, we select the best production scheme, using flasks, roller bottles or bioreactors.

Our facilities are adapted to produce grams of mAbs. For requests of ≥200mg, a test study is systematically performed to determine the clone productivity. The price for this test phase is deduced from the subsequent production price for the whole batch.
Large Scale Antibody Project

<table>
<thead>
<tr>
<th>Species</th>
<th>Mean Housing Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabbits</td>
<td>15000*</td>
</tr>
<tr>
<td>Guinea Pigs</td>
<td>300*</td>
</tr>
<tr>
<td>Hamsters</td>
<td>200*</td>
</tr>
<tr>
<td>Rats</td>
<td>200*</td>
</tr>
<tr>
<td>Mice</td>
<td>400*</td>
</tr>
</tbody>
</table>

*Can be easily adapted to larger customer's requests.

A polyclonal program has an average yield of 10-20 mg specific Ab/rabbit.

Animal Welfare & Facilities

Animal Welfare is our major concern. We have strict rules and maintain a constant technological watch to comply with the highest standards for animal protection. Accordingly animal housing and immunizations are centered on the 3R's guidelines [Replacement, Reduction and Refinement]. Our qualified staffs follow continuous training to stay at the highest level regarding animal welfare and care. The whole staff experience is registered in personal training files including education, experience, skills and training information.

Our Animal facilities are governed by stringent practices:
- Facilities are cleaned 3-5 times a week with cleaning agents free from formaldehyde.
- Flow of traffic from the cleanest to the dirtiest area prevents cross-contamination.
- Daily observation of sentinel animals and health status are monitored as per FELASA recommendations.
- Each Animal has a balanced diet and the feed is quality controlled.
- Temperature, pressure, relative humidity and ventilation systems (100 % HEPA filtered air for SPF animals) are recorded in real time.
- 24 hour staffed facilities with an intrusion alarm system, armored doors and surveillance camera ensure absolute security.

At any time, experts can visit our facilities and audits can be organized.

Confidentiality

All monoclonal and polyclonal immunization projects are confidential. All obtained hybridoma’s, sera and results are and remain the property of the customer. Eurogentec guarantees not to claim any rights on the hybridoma or the antibodies. Non-disclosure agreements can be executed.

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How to order?

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