



Custom antibodies & services

MONOCLONAL ANTIBODIES (MOUSE & RAT)

HUMAN MONOCLONAL ANTIBODIES

PRODUCTION PURIFICATION MODIFICATION

IMMUNOASSAYS DEVELOPMENT

POLYCLONAL ANTIBODIES

ADDITIONAL SERVICES



Custom antibodies & services

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COMPANY **Focus**

Expert in immunotechnology, BIOTEM provides customised and high added value services in the field of antibodies and immunoassays design.

For more than 30 years, BIOTEM has developed a unique expertise and a large panel of cutting edge proprietary technologies.

For most projects BIOTEM is proud to carry out the most relevant strategies and to propose **contracts with guaranteed results.**

(>94% overall project success rate over the last 3 years).

Since being created in 1980, BIOTEM has been a first rate partner of pharmaceutical groups, biotechnology companies and academic laboratories for their research, development and production needs.

BIOTEM complies with **ISO 9001:2008** quality standards and is certified “Crédit Impôt Recherche” (**CIR agreement**).

CORE **Activities**

Human monoclonal antibodies 2nd generation EBV/Fusion Technology

- Highly customised projects
- + 20 selection and activation strategies
- 100% human antibodies
- R&D, diagnostics and therapeutics applications

Mouse & rat monoclonal antibodies Customised immunisation & fusion strategies :

- Rapid Antibody Development (**R.A.D.**)
- Genetic (DNA based),
- Subtractive,
- *in vitro*, etc.
- Specific protocols available for low immunogenic compounds or tiny quantities

Robust hybridoma selection

- Optimised screening & validation strategies (false positive/negative reduced)
- Semi automatic platform



Production, purification & modification

Any scale, from 1mg to 20 g

- *In vitro* : low, medium and high cell density culture systems available (bioreactor, celline, hyperflask, etc.)
- *In vivo* : ascites (*nude, balb/C mice*)
- Purification (size exclusion, affinity chromatography, etc.)
- Modification (conjugation, enzymatic digestion, etc.)
- Endotoxin free batches upon request
- Quality Controls (upon specifications)

Customised immunoassays development

- Rapid Tests: Lateral Flow, Dot Immuno Gold Filtration Assay (DIGFA)
- ELISA (microplates)
- R&D, environmental monitoring, industrial quality control and diagnostic applications

Additional services

- Master & Working cell banks
- Hybridoma storage (liquid nitrogen)
- Custom studies (antibody characterisation, stability, toxicity, etc.)

Polyclonal antibodies

- Diverse host species (*rabbit, rat, hamster, etc.*)
- Customised immunisation protocols
- Serum test
- Serum purification (Protein A, Protein G, ammonium sulfate, peptide affinity, etc.)
- Bulk quantities

BIOTEM *Partnership*

The internationally recognised experience and growth of BIOTEM make us a reliable partner for the joint development and/or marketing of existing products.

Joint development

BIOTEM is actively seeking new partners to jointly develop antibodies against novel targets.

Marketing your antibodies

BIOTEM can produce, characterise and sale your antibodies on the international marketplace thanks to a strong distribution network.