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ANTIBODY SCIENCE
RECOMBINANT PROTEINS
MOLECULAR BIOLOGY
CELLULAR ENGINEERING

Research Tax Credit Accreditation
ISO 9001:2015 certification



More than 20 years of expertise and know how
High quality, Reliability, Flexibility
and Reactivity

RD-Biotech

BIOMANUFACTURING CUSTOM SERVICES

Production scales and Quality levels adapted to your applications
For R&D and preclinical studies



PLASMIDS DNA

Production and purification, up to 100 of mg
R&D, "Endofree" and High Quality grades (HQG)
Quality controls adapted to your specifications



MONOCLONAL ANTIBODIES

Production and purification, up to 50 grams
Monitoring of concentration by FastELISA technology
Mouse, Rat, Guinea Pigs and other species
Antibody sequencing



RECOMBINANT ANTIBODIES

Vector design and construction
Transient transfection (CHO, HEK293, ...): up to 500 mg
Chimeric, humanized, bi-specific, fragments, scFV, VHH...



RECOMBINANT PROTEINS

In silico studies and custom construct design
Different expression systems: *E. Coli*, CELL FREE, mammalian cells (CHO, HEK 293, ...)
Purification (Affinity, IEC, SEC...) and quality controls

RD-Biotech is a company of the mAbexperts group

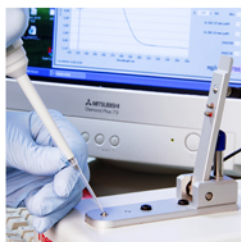


www.mabexperts.com



R&D CONTRACTS & BIOMANUFACTURING

An Integrated Biotechnology Solution



MOLECULAR BIOLOGY

- Custom vector construction: *In silico* studies, custom design & cloning (mono and bi-cistronic)
- Plasmid DNA production and purification, Research, "endofree" and High quality grades
- Nucleic acid extraction & purification
- Cell lines validation / Genotyping



IMMUNOLOGY: Monoclonal & Recombinant Antibodies

- Immunization and hybridoma development (mice, rat and guinea pig)
- Ab engineering: Sequencing (VH/VL, HC/LC), chimerization, humanization, Isotype switching, reformatting (Fab, bi-specific, scFV...)
- Antibody characterization and validation (ELISA, Western blot, Cytometry, Octet, bioassays...)
- Phage display platforms (Mouse, Llama)
- Production, purification and quality controls



CELLS AND RECOMBINANT PROTEINS

- Custom process development in adapted expression systems
- *In silico* studies and feasibility tests
- Pilot step for expression & purification process optimization
- Expression in *E. Coli*, mammalian cells (HEK, CHO...) and Cell Free system
- Stable cell line development by transfection
- Master and Working cell banks



ANALYTICAL SERVICES and BIOASSAYS

- Analytical method development: Immunoassays, ELISA, Octet, Western Blot, PCR...
- Cell based assays
- Bioassays: ADCC, CDC, .. or custom development
- Quality controls: mycoplasma, endotoxin, bacterial contamination, ...



FastELISA® KITS

- Human IgG, mouse IgG, rat IgG, bovine IgG quantification, Fc fragment
- **Results in 30 minutes time**
- Mouse immunoglobulins isotyping
- Contaminant detection (Protein A, Host Cell Proteins)
- Ready-To-Use reagents (15 min of incubation)

A GROUP OF WELL ESTABLISHED PARTNERS FOR YOUR RESEARCH OUTSOURCING NEEDS

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