

<u>Monoclonal antibodies development and production</u>	Price in (GBP)
Monoclonal antibodies development	<b>2000,00</b>
Production of 200mls of supernatant	<b>65,00</b>
Production of 2mgs of purified Ig	<b>350,00</b>
Long term storage of hybridomas in our cell bank	<b>85,00 per year</b>
Direct labelling of the Ig with Biotin, Peroxidase, Alcaline phosphatase etc.	<i>Have to be discussed for each case independently</i>
Immunochemical analysis of the monoclonal antibodies (IP*, Western blotting, ELISA <sup>#</sup> )	<i>Have to be discussed for each case independently</i>
Immunohistochemical analysis of the monoclonal antibodies	<i>Have to be discussed for each case independently</i>

\* **Immunoprecipitation**

# **Enzyme-Linked Immunosorbent Assay**

**Additional informations for monoclonal antibody development.**

Development of monoclonal antibodies against customer supplied antigen - not refundable

**500,00GBP**

Development of monoclonal antibodies - the rest of the price, which will be invoiced after the delivery of producing hybridoma(s)

**1500,00GBP**

- The advance payment (which is not refunded in the case of failure) is 500 GBP, in the case you supply us with antigen. Additional 1500 GBP will be charged after the delivery of producing hybridoma(s).
- The protocol includes immunisation of five mice in 3-5 injections (according to the response). The customer gets the sera after 2nd injection for tests, we test after 2nd and 3rd injection independently.
- We will do the most efficient screening to identify desirable clones.
- We will communicate with you during the development process to design the best screening test to get a maximum number of hybridomas.
- We can do small or large scale production of antibodies for you as well as we can purify your monoclonal antibody using protein A or protein L column.



- The long term storage cost 85,00GBP/year and this service include the storage of 6 frozen vials of hybridoma cells in two different liquid nitrogen tanks, recovering of the cells each three years and making new fresh cell stock. The price is for all hybridomas from one fusion we did for our customer.
- The immunohistochemical and immunochemical analysis will include the documentation and recommended protocol.
- Purified antibodies will be in 500 µls aliquots in siliconised tubes in PBS and NaN<sub>3</sub>.

We can also include the peptide synthesis and coupling into our service (our source of peptides is cheap and reliable) - the price is approximately 18,- GBP/aminoacid for purity exceeding 80% and amount exceeding 20mg. The exact price is length/sequence dependent and must be discussed individually.

**The amounts of antigen required for monoclonal antibodies development (per one injection):**

Animal	Antigen	Dose (µg) min-max	Recommended dose/one animal (µg)
Mouse	Peptides	10-50	10-30
Mouse	Proteins	10-100	30-50
Rat	Peptides	10-150	50-100
Rat	Proteins	50-150	100-150

**Additional 250-500 µg of antigen is required for tests and hybridoma screening**

We do not recommend the minimal amount of antigen as we have a good practice with higher doses. If you could supply us with more antigen this will help to get a better response in animal.

- *For more complex service (custom peptide synthesis and coupling, bulk quantity antibody production, antibody concentration and purification, conjugation etc.) - please inquire.*
- *We can also test monoclonal antibodies for performance on Western blotting, IP, ELISA and immunohistochemistry - this is the matter of individual discussion.*

**MORAVIAN BIOTECHNOLOGY Ltd. GUARANTEES CONFIDENTIALITY OF INFORMATION INVOLVED WITH CUSTOM ANTIBODY DEVELOPMENT.**

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