

Hybridoma Production
from 2,500.00 €!*
 *when ordering 4 or more hybridomas,
 work package 1+2 only!

unicus

Karlsburg
 Biotechnologie - Forschung - Entwicklung

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Development of monoclonal antibodies

	Service	Time
Work package 1	<u>Immunisation</u> <ul style="list-style-type: none"> - 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 	5-6 weeks
Work package 2	<u>Cell Fusion, Selection, Screening</u> <ul style="list-style-type: none"> - 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 IgG 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 - In case only work packages 1 and 2 are ordered by the customer, customer receives the repeated positive clones in 24-well or 48-well plates and a report on the work performed 	4-5 weeks
Work package 3	<u>Cloning, Recloning, Testing, Characterization</u> <ul style="list-style-type: none"> - Determination of antibodies titre of the repeated high positive clones and selection of up to 8 primary cultures with a high level of antibodies titre for cloning - Cloning of up to 8 of the best cultures by limited dilution - Screening of the cloned cultures by ELISA, identification of antibodies titre of the highest positive clones and selection of cultures for recloning - Recloning of up to 4 of the best cloned cultures, testing by the ELISA, determination of antibodies titre and selection of the final clones - Cultivation and propagation of 2 final antibody positive stable recloned cultures - Determination of the Ig subclass and mycoplasma test - Cryoconservation - Customer's delivery of cryo-stored clones on dry ice (3 vials for the two final clones, each with 3 x 10⁶ hybrid cells) and upon request 10 ml cell culture supernatant / cell line - Detailed protocol and documentation <p style="text-align: center;">Free of charge:</p> <p>1 mg of protein-G-purified monoclonal antibody / supplied cell line storage of cell lines for two years</p>	8-9 weeks

	1 Antigen Price / Antigen*	2-3 Antigens Price / Antigen*	4-5 Antigens Price / Antigen*
Work package 1	600.00 €	600.00 €	500.00 €
Work package 2	2,100.00 €	2,100.00 €	2,000.00 €
Work package 3	3,100.00 €	2,600.00 €	2,500.00 €
Total / Antigen	5,800.00 €	5,300.00 €	5,000.00 €

*plus VAT and transport costs

Cooperation partner
 your partner for monoclonal antibody production,
 recombinant proteins and cell line development

