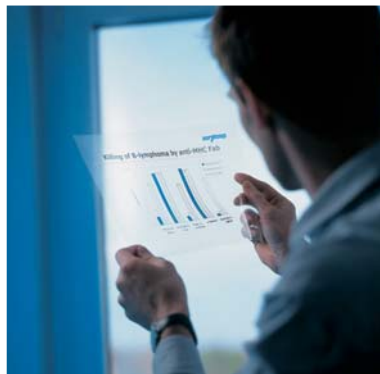


Custom Monoclonal Antibodies in Just 8 Weeks

USD Price List



A Division of MorphoSys



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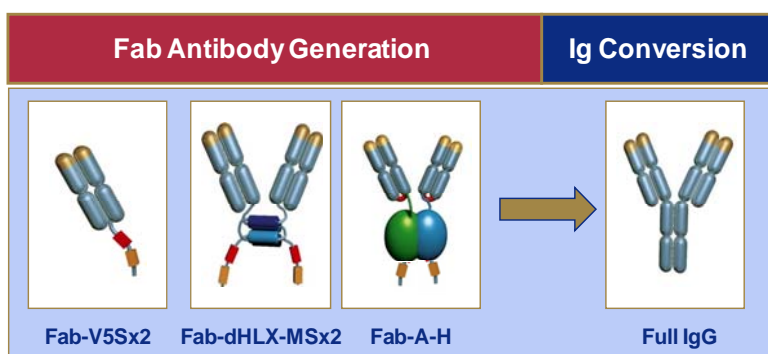
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Examples of available antibody formats for Antibody Generation and follow on conversion into a full IgG (please inquire):

Fab-V5Sx2 monovalent Fab with two peptide tags
Fab-dHLX-MSx2 bivalent Fab (Mini-Ab), formed via dimerization of dHLX domains shown as blue cylinders with two peptide tags

Fab-A-H, bivalent Fab (Mini-Ab) formed via dimerization of bacterial alkaline phosphatase (blue/green) with one peptide tag

Full IgG

V5: V5 tag; **Sx2:** StrepX-StrepX tag; **M:** Myc tag; **H:** His-6 tag; **A:** Bacterial Alkaline Phosphatase

The current list of available formats is available on <http://www.abdserotec.com/AbFormats>

Antigen Generation	
Starting Point	AbD Services
■ Protein	■ Antigen Purchase ■ Biotinylation
■ Peptide Sequence	■ Peptide Synthesis and Coupling
■ Haptens	■ Antigen Purchase and Coupling
■ DNA or AA Sequence	■ Gene Synthesis
■ DNA Clone or PCR fragment	■ AgX Fragment or Fc-Fusion Expression

Fab Antibody Generation in Just 8 Weeks including:
Screening of HuCAL Library
<ul style="list-style-type: none"> ■ Selection (panning) against antigen with 3 rounds of enrichment ■ Sub-cloning of enriched antibody gene pool into a Fab antibody format of choice* ■ Primary screening of ~360 antibody expression clones by ELISA or equivalent assays ■ Sequencing of up to 20 positive antibody expression clones to determine unique antibodies ■ Purification of unique antibodies plus QC ELISA testing against antigen and standard controls
Additional Services (Project Dependant)
<ul style="list-style-type: none"> ■ Special set-up for antibody selection to meet additional specification requirements ■ Additional assays or QC depending on project requirements (e.g. Cross-reactivity profiling, Capture ELISA, Quantitative ELISA, QC ELISA)
Antibody Deliverables
<ul style="list-style-type: none"> ■ Up to ten (10) 1st unique ELISA-positive Fab antibodies (250 µg each) ■ One (1) customer selected 1st unique ELISA-positive Fab antibody (1 mg) ■ Product Sheets with technical information and ELISA protocol
Optional Services
<ul style="list-style-type: none"> ■ Sequencing of a set of 10 additional positive clones ■ Additional unique ELISA-positive Fab antibodies, ■ Additional Fab antibody material ■ Conversion to alternate antibody formats ■ Antibody Labeling ■ Conversion of Fab format into Ig format – please inquire for pricing

*From the current list of available formats at <http://www.abdserotec.com/AbFormats>

Success Guarantee

■ **No Antibody, No Charge Guarantee for Standard Projects**

We are confident that at least 1 of the more than 45 billion antibody specificities in the HuCAL library is the perfect match for your antigen. If we should fail to generate at least 1 ELISA-positive antibody against the antigen, there will be no charge for library screening.

■ **Limited Guarantee for Non-Standard Projects**

In some instances project specifications are particularly demanding and payment of an upfront non-refundable deposit may be required. This risk sharing approach allows us to undertake more challenging projects where the success cannot be guaranteed. If we should fail to generate at least 1 ELISA-positive antibody against the antigen, there will be no charge for library screening.

Available Discounts

■ **Standard Discounts**

Standard volume and frequency discounts are offered for most products and services. Please inquire!

■ **Co-Developer Discount Program**

This program provides researchers with significant discounts (up to 40%) on AgX Antigen Expression and HuCAL® Custom Monoclonal Antibody services in exchange for the commercial rights to the resulting antibody.

For Program details, please see http://www.abdserotec.com/custom/co_developer_discount_program-476.html

Itemized Price List

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ID	PRODUCT NAME Description	Unit Price USD
Antigen Generation		
CAB11346	ANTIGEN PURCHASE Purchase of antigen from third party	Variable
CAB11359	BIOTINYLATION Biotinylation and QC of antigen	\$ 360
CAB11353	PEPTIDE SYNTHESIS Peptide synthesis only	Variable
CAB11360	COUPLING Coupling to one carrier protein	\$ 360
CAB11351	GENE SYNTHESIS Gene synthesis for antigen expression	Variable
CAB11354	AGX ANTIGEN EXPRESSION Clone, express and purify the antigen	\$ 3,710
Screening of HuCAL Library		
CAB11368	LIBRARY SCREENING Panning and screening HuCAL library	\$ 10,920
CAB11367	DEPOSIT AB GENERATION Non-refundable Service Fee	From ~ 50%
Additional Services (Project Dependent)		
CAB11374 to CAB11377	SPECIAL SET-UP Specialized preparations for panning and screening	Variable
CAB11431	CROSS REACTIVITY PROFILING Inclusion of up to 2 customer antigens in QC ELISA.	\$ 570
CAB11435	QC ELISA QC ELISA as specified in Quote	Variable
CAB11437	CAPTURE ELISA Additional screening for capture functionality	\$ 765
CAB11439	FINAL QUANTITATIVE ELISA ELISA with up to 5 sandwich pairs	\$ 2,170
Antibody Deliverables (Initial Antibody Generation)		
Tag dependent	1ST MONOVALENT FAB 250 µg ELISA-positive, tags as requested	\$ 95
Tag dependent	1ST BIVALENT MINI-AB 250 µg ELISA-positive, tags as requested	\$ 95
Tag dependent	1ST MONOVALENT FAB 1 mg ELISA-positive, tags as requested	\$ 260
Tag dependent	1ST BIVALENT MINI-AB 1 mg ELISA-positive, tags as requested	\$ 260
Optional Services		
CAB11432	DNA SEQUENCING SET OF 10 Sequencing of 10 additional positive clones	\$ 360
Fab Conversion and Fab Production		
CAB11402	ANTIBODY CONVERSION FAB Conversion into alternative Fab format	\$ 1,910
CAB11403	ANTIBODY CONVERSION FAB DS Conversion into alternative disulfide Fab format	\$ 3,200
CAB11410	SET-UP FEE For new antibody production orders less than 5 mg	\$ 570
Tag dependent	MONOVALENT FAB 1 mg ELISA-positive, tags as requested	From \$ 570
Tag dependent	BIVALENT MINI-AB 1 mg ELISA-positive, tags as requested	From \$ 570

■ A Protein Target with Additional Specificity Requirements

ID	PRODUCT NAME Description	QTY	Unit Price USD	Extended Price USD
Antibody Generation and Additional Services				
CAB11368	LIBRARY SCREENING Panning and screening HuCAL library	1	\$ 10,920	\$ 10,920
CAB11374	SPECIAL SET-UP Specialized preparations for panning and screening	1	\$ 1,240	\$ 1,240
CAB11431	CROSS REACTIVITY PROFILING Inclusion of up to 2 customer antigens in QC ELISA.	1	\$ 570	\$ 570
Antibody Deliverables				
Tag dependent	1ST BIVALENT MINI-AB 250 µg ELISA-positive, tags as requested	10	\$ 95	\$ 950
Tag dependent	1ST BIVALENT MINI-AB 1 mg ELISA-positive, tags as requested	1	\$ 260	\$ 260
Optional Services				
CAB11432	DNA SEQUENCING SET OF 10 Sequencing of 10 additional positive clones	1	\$ 360	\$ 360
Total				\$ 14,300

■ A Peptide Target

ID	PRODUCT NAME Description	QTY	Unit Price USD	Extended Price USD
Antigen Generation				
CAB11353	PEPTIDE SYNTHESIS (15-mer) Peptide synthesis only	1	\$ 380	\$ 380
CAB11360	COUPLING Coupling to one carrier protein	2	\$ 360	\$ 720
Antibody Generation an Additional Services				
CAB11368	LIBRARY SCREENING Panning and screening HuCAL library	1	\$ 10,920	\$ 10,920
Antibody Deliverables				
Tag dependent	1ST BIVALENT MINI-AB 250 µg ELISA-positive, tags as requested	10	\$ 95	\$ 950
Tag dependent	1ST BIVALENT MINI-AB 1 mg ELISA-positive, tags as requested	1	\$ 260	\$ 260
Optional Services				
CAB11432	DNA SEQUENCING SET OF 10 Sequencing of 10 additional positive clones	1	\$ 360	\$ 360
Total				\$ 13,590

■ A Protein Target Including Antigen Expression Services from DNA (AgX)

ID	PRODUCT NAME Description	QTY	Unit Price USD	Extended Price USD
Antigen Generation				
CAB11354	AGX ANTIGEN EXPRESSION Clone, express and purify the antigen	1	\$ 3,710	\$ 3,710
Antibody Generation an Additional Services				
CAB11368	LIBRARY SCREENING Panning and screening HuCAL library	1	\$ 10,920	\$ 10,920
Antibody Deliverables				
Tag dependent	1ST BIVALENT MINI-AB 250 µg ELISA-positive, His tag, other tags as requested	10	\$ 95	\$ 950
Tag dependent	1ST BIVALENT MINI-AB 1 mg ELISA-positive, His tag, other tags as requested	1	\$ 260	\$ 260
Optional Services				
CAB11432	DNA SEQUENCING SET OF 10 Sequencing of 10 additional positive clones	1	\$ 360	\$ 360

Custom Antibody Generation Inquires

Direct HuCAL Project Inquiries

Please use the online Project Inquiry Form:

www.abdserotec.com/inquiry

Or contact us directly at

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MorphoSys AG
Tel: +49 89 899 27 234
Fax: +49 89 899 27 5234

sales.muc@abdserotec.com

AbD Serotec Catalog Product Inquiries

North & South America	Tel: +1 800 265 7376
Europe	Tel: 00 800 2255 4223
Worldwide	Tel: +44 1865 852 700

AbD Serotec — Your first choice for antibodies!

General Terms and Conditions of Sale

Some of the main elements of our General Terms and Conditions are listed below. Please note that the information provided is not complete. To access the complete Terms and Conditions of Sale for HuCAL custom antibody generation projects, please visit: <http://www.abdserotec.com/HuCAL-TnC>

■ Intended Use

HuCAL Antibodies are developed for “Research Use Only” and intended exclusively for *in vitro* use. Commercial and diagnostic use of the antibodies is also possible, but requires specific written authorization from MorphoSys AG and may require the purchase of a license.

■ Confidentiality

All project information provided by customers to MorphoSys AG, including customer name, is considered confidential and will not be disclosed to third parties without the express permission of the customer. The customer retains all rights and title to any material sent to MorphoSys AG for the purpose of antibody generation. Any unused material will be destroyed at the end of the Project or returned to the customer upon request.

■ Rights

The customer owns the exclusive right to the antibody protein material expressed from bacterial expression clones generated as part of a custom monoclonal antibody generation project. The bacterial expression clones remain the property of MorphoSys AG, where they are stored for the exclusive use of the customer for a minimum of 5 years. Antibody protein material is the property of the customer upon receipt in full of payment by MorphoSys AG. All intellectual property developed by the customer using the antibody is owned exclusively by the customer.

Trademarks

MorphoSys®, HuCAL®, HuCAL GOLD®, HuCAL PLATINUM®, AutoPan®, AutoScreen®, and AgX™ are trademarks of MorphoSys AG. FLAG® is a registered trademark of Sigma Aldrich and Immunex. Strep® is a registered trademark of IBA. Alexa Fluor® and Pacific Blue™ are trademarks of Molecular Probes Inc.