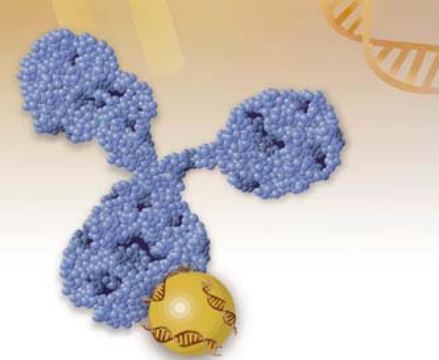


# Custom Antibody Services



Feasibility study	
Free analysis of your target	<a href="https://ssl.kundenserver.de/ssl.genovac.com/questionnaire.php">https://ssl.kundenserver.de/ssl.genovac.com/questionnaire.php</a>

Synthetic genes	
Sequence optimization and gene synthesis <sup>1</sup>	\$ 1.65/bp

Peptide synthesis	
10 mg HPLC purified peptides (90-95% purity) <sup>2</sup>	\$ 45/aa
Conjugation to KLH or OVA	\$ 112.5/mg

Polyclonal Packages (mouse, guinea-pig, rabbit, rat) <sup>3</sup>	
Protein immunization	\$ 1,125
Peptide immunization	\$ 2,140
BASIC genetic immunization <sup>4</sup>	\$ 2,250
OPTIMISED genetic immunization	\$ 5,250

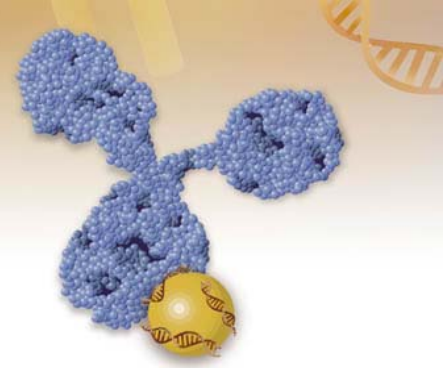
Monoclonal Packages (mouse, rat)	
Protein immunization	\$ 14,700
Peptide immunization <sup>5</sup>	\$ 15,710
OPTIMISED genetic immunization	\$ 18,750
OPTIMISED genetic immunization for multiple, membrane-spanning proteins <sup>6</sup>	\$ 18,750 & success fee

## ACADEMICS PLEASE ENQUIRE FOR SPECIAL CONDITIONS.

- 1 - Gene synthesis for standard genes. Minimum charge for 1-400 bp is \$660.
- 2 - Peptides longer than 30 amino acids: +25%. Please inquire for modified peptides.
- 3 - All polyclonal packages include a standard immunization package and a serum test (except for BASIC). In addition the Peptide Polyclonal Package includes 15 amino acid peptide synthesis and conjugation to KLH and OVA. Additional amino acids are charged extra. OPTIMISED package including re-cloning, expression control, immunization, and serum test. Guinea-pigs are not available for BASIC and OPTIMISED.
- 4 - BASIC: a mammalian expression vector with a strong eukaryotic promoter is needed. Only recommended for sequences including a leader sequence.
- 5 - Including 15 amino acid peptide synthesis and conjugation to KLH and OVA. Additional amino acids are charged extra.
- 6 - Success fee (\$11,250) payable upon customer's approval based on supernatant testing in customer's assay.

Prices for genetic immunization are valid if the supplied cDNA sequence is 100% identical to the cDNA template in accordance with a guarantee from the customer in this regard. Additional costs due to sequence differences will be charged separately. Any uncertainties in this respect can be eliminated by ordering DNA sequencing as an additional individual service (see below).

For security reasons, the prices include free storage of the hybridomas / immunization construct for up to 3 months after delivery of the antisera / hybridomas to the customer.



### Milestones

For each antibody project, we define different quality control milestones. In case of negativity, the projects can be stopped after the unsuccessful milestone to minimize unnecessary costs for the customer:

#### **Polyclonal antibodies**

- Milestone 1: Expression control of the recloned DNA construct or peptide synthesis and conjugation
- Milestone 2: Immunization of 2 rabbits or 3 guinea-pigs or 5 rats or 5 mice and serum test, if applicable

#### **Monoclonal antibodies**

- Milestone 1: Expression control of the recloned DNA construct or peptide synthesis and conjugation
- Milestone 2: Immunization of 5 rats or 5 mice and serum test
- Milestone 3: Fusion and selection
- Milestone 4: Subcloning

### Delivery

Postage and handling extra, flat rate for each delivery to North America \$240. For each delivery to ROW at actuals.

- Pre-immune serum from each animal.
- 200 µl antiserum per mouse from five animals per project.
- 2-4 ml antiserum per rat from five animals per project.
- 5-10 ml antiserum per guinea-pig from three animals per project.
- 60-100 ml antiserum per rabbit from two animals per project.
- Remaining peptide or protein, if applicable.
- Five ml supernatant from each positive hybridoma clone and subclones from up to three hybridoma cell lines.
- For GPCR and other multiple, membrane-spanning proteins: delivery of the clones upon customer's confirmation of success.

### Options

DNA sequence analysis (customer construct): Analysis of the customer's cDNA-construct by DNA sequencing.	
Confirmation in one direction.	\$0.26 / bp
Subcloning of one additional hybridoma.	\$1,500
Storage of one hybridoma in liquid nitrogen.	\$195 / year
Purification of monoclonal antibodies from hybridoma supernatants	see separate price list

### Payment

All prices in USD excluding taxes and EXW (ex works) INCOTERMS 2000.  
All payments due within 20 days of the invoice issue date without deductions.

### Terms and Condition of Sale

The Terms and Conditions of Sale 2004 of GENOVAC GmbH apply exclusively.