

Antigen Design Form

Note: Thank you for choosing ABclonal Technology. Please fill out the following information in as much detail as possible. *fields are mandatory.

1. Customer Information

Name:	TEL:
Email:	Team Leader:
Department:	Address:

2. Gene Information

NCBI mRNA NO.:	NCBI Protein NO.:
*Gene Name:	*Species(Latin Name):
Gene size (bp):	Protein Size (aa):
*nucleotide sequence:	

3. Antibody Requirements

*Expectations to custom what kind of antibody: Rabbit Polyclonal <input type="checkbox"/> rabbit monoclonal antibody; + <input type="checkbox"/> rabbit polyclonal antibody; <input type="checkbox"/> mouse monoclonal antibody; <input type="checkbox"/> others
*Expectations to meet what kind of experiment: WB, IP/Co-IP/ChIP/IHC/IF <input type="checkbox"/> WB; <input type="checkbox"/> IHC/ICC/IF; <input type="checkbox"/> IP/Co-IP; <input type="checkbox"/> ELISA-Pair; <input type="checkbox"/> FC; <input type="checkbox"/> ChIP
*Expectations of cross-reaction in other species(pls list the sequence): Human
*Expectations to modify the amino acid: (Modified antibodies only)

The type of modification: the site of modification
Expectations to mutant the amino acid:
Route in antibody production: <input type="checkbox"/> Recombinant protein; <input type="checkbox"/> Artificial protein peptide coupling
Customer needed gene/peptide synthesis: <input type="checkbox"/> Yes <input type="checkbox"/> No
Related literature reported the preparation of antibodies: <input type="checkbox"/> Yes <input type="checkbox"/> No
Preparation of antibody in related literature(the producing route, antigen, region, application and published magazine)
Do you ever generate the antibody by yourself or other vendor?(If yes, pls. provide the producing route, antigen, region, application):
Special request for Monoclonal Antibody
Whether the customer can offer more than 2mg endogenous sample for screening(monoclonal antibody preparation): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sample name
If the customer cannot offer the endogenous sample, we will only do screening by ELISA (monoclonal antibody preparation): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Others
Whether the customer have special requirement during the screening for monoclonal cell line(monoclonal antibody preparation): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Special requirement

Whether the customer have special requirement for number of the monoclonal cell line(monoclonal antibody preparation): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Special requirement
Whether the customer need to produce the ascites(monoclonal antibody preparation): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Others
Whether the customer have special requirement for the concentration and amount of the monoclonal antibody(monoclonal antibody preparation): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Special requirement

4.If customer provide anything for Antigen, please fill the following info

a) Customer Provide Cloning Templates (used for constructing expression plasmid)

Gene Name:	Gene region:
*Vector name:	*Resistance:
<input type="checkbox"/> plasmid(the best choice) <input type="checkbox"/> strain (adding glycerol, the volume is 500ul at least)	
Offer DNA Sequencing result: <input type="checkbox"/> Yes (recommended) <input type="checkbox"/> No	Sequencing primers:

b) Customer Provide Prokaryotic Expression Plasmid (used for expression directly)

Tag Name & Position(N/C):	Tag Size:
If customer offer expression strain, the name and resistance of the strain:	
If customer has tried to express, pls. tell us the expression condition and results (pictures can be offered as attachment):	

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c) Customer Provide antigen(used for immunization)

i. Protein as antigen

*Protein amount(mg): NA	*Purity(>85 %): NA	*Protein size(KD):
*concentration(>1.5 mg/mL):	*buffer:	
SDS-PAGE detection result(the picture can be offered as attachment):		

ii. Peptide as antigen

*Peptide amount(mg): (at least 10mg/rabbit)	*Purity(>85 %):	Protein size(KD):
*Whether you coupling Carrier Protein: (If yes, which carrier protein; Otherwise, we will couple with KLH)		
Peptide sequences: PEP1- KLH(CONJ)-RRT^PPSSS^PSYS (10 aa) MUT PEP1 -KLH(CONJ)- RRAPSSASYS(10 aa) (should contain Cys in sequence that use for coupling KLH, otherwise we will add a Cys on C-terminal or N-terminal)		

d) Testing material information

*Sample name(protein origin):	*Protein amount(mg):
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*Protein concentration(>2 mg/mL):		*Loading buffer concentration:	
*Tissue name:	*Tissue species:	*Tissue amount(mg):	
*slicing tissue name:	*Slicing type(P or F):	*Slicing amount:	

5.Other Requirements

Whether the gene has other proteins with high similarity requires specific identification of antibodies, if yes, please provide the sequence and **note your requirements:**

Note:

1.If customer offers plasmid or protein, pls. fill in the corresponding part, if the corresponding information is not clear, we cannot process the order.

2.If customer offers plasmid, we only accept the plasmid or strain which contains the antigen sequence, constructing plasmid is the best choice, followed by bacterial liquid; we don't accept PCR product or cDNA;

3.The concentration of the offered plasmid is 100ng/μL, and the volume is 20 μL at least;

The OD600 value of the offered strain is not less than 0.4, and the volume is 500μL at least, pls. adding glycerol;

4.We need the customer to offer us the usual plasmid for sequencing easily, whether the plasmid is usual according to the sequencing company has universal primers. Customer should give us the complete information of plasmid name, resistance and so on; we need customer offer us the

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sequencing result. If the plasmid is not usual, we don't advise to accept the order; or customer should offer us the plasmid map and sequencing primer and the detail information.

5.The plasmid with His-tag and GST-tag can be used to express and purify the antigen, If the plasmid with other tag, we will use it as template to construct to the plasmid with His-tag and GST-tag. But if offered us the expression plasmid or strain, customer should offer the detail expression condition (OD value, the concentration of IPTG, induced time and so on)and the detection picture of expression.