

Custom Antibody Production Services

Services provided by
Absea Biotechnology Ltd (Beijing, China)

Distributed by
Chang Bioscience, Inc. (US)

Please fax orders to Chang Bioscience, Inc.
Please mail antigens to Absea Biotechnology Ltd.

Absea Biotechnology Ltd Contact Information

Dr Wei Zhang
Absea Biotechnology Ltd
1 Hao Lou, 602 Shi
3 Hua Yuan Road
Beijing 100083
China

Tel: +86-10-65221947
Fax: +86-10-65284074

E-mail: info@absea-antibody.com

Chang Bioscience, Inc Contact Information

Chang Bioscience, Inc.
22689 Canyon Terrace Dr.
Castro Valley, CA 94552

Fax: 415 680 1560
Tel: 415 377 7892

Email: info@changbioscience.com

Custom Antibody Production Services Summary

Rat Monoclonal Antibody Services

1 Antigen:	\$4900 + \$250 (S&H)
2 Antigens:	\$9500 + \$250 (S&H)
3 or more antigens:	add \$4400 for each

15% discount if payment is upfront.

Prices include rat immunization, fusion, ELISA tests for positive clones, subcloning, and expansion of 3 subclones. \$50 each additional subclones.

If no positive cells are found from first fusion by ELISA screening, we will do second fusion free of charge on customer's request.

Mouse Monoclonal Antibody Services

1 Antigen:	\$4200 + \$250 (S&H)
2 Antigens:	\$8000 + \$250 (S&H)
3 or more antigens:	add \$3700 for each

15% discount if payment is upfront.

Prices include mice immunization, fusion, ELISA tests for positive clones, subcloning, and expansion of 3 subclones. \$50 each additional subclones.

If no positive cells are found from first fusion by ELISA screening, we will do second fusion free of charge if customer's request.

Rabbit Polyclonal Antibody Services

1 Rabbit:	\$275 + \$50 (S&H)
2 Rabbits:	\$525 + \$50 (S&H)
3 Rabbits:	\$775 + \$50 (S&H)

Prices include free food & housing for up to 15 weeks, 3 to 5 injections, ELISA tests and free final bleed.

Rat Polyclonal Antibody Services

1 Rat:	\$130 + \$50 (S&H)
2 Rats:	\$245 + \$50 (S&H)
3 Rats:	\$360 + \$50 (S&H)

Prices include free food & housing for up to 15 weeks, 3 to 4 injections, ELISA tests and free final bleed. 2 or more rats are suggested for each antigen.

Mouse Polyclonal Antibody Services

1 Mouse:	\$110 + \$50 (S&H)
2 Mice:	\$205 + \$50 (S&H)
3 Mice:	\$300 + \$50 (S&H)

Prices include free food & housing for up to 15 weeks, 3 to 4 injections, ELISA tests and free final bleed. 2 or more mice are suggested for each antigen.

Additional Services

Peptide synthesis:	\$25/residue	FTIC conjugation:	\$150 / 5 mg
Carrier Protein conjugation:	\$150 (2-5 mg)	Peroxidase conjugation:	\$150/ 5 mg
Coupling antigen onto beads:	\$120 (2-5 mg)	Affinity purification:	\$300 / 5 mg
Repeated bleeding & ELISA test for rabbits:	\$100/bleed (5 ml serum)	IgG purification by protein A or G:	\$300 / 5 mg
Western blot:	enquire	Fab or (Fab') ₂ digestion:	enquire
Flow Cytometry:	enquire	ELISA kit development:	enquire
Additional monoclonal clones:	\$50/each		

* All prices are in US dollars. Terms and prices are subject to change.

Rat Polyclonal Antibody Service Order Form

Ship To:

Name: _____

 Address: _____

City/State/Zip: _____

Country: _____

Phone: _____

Fax: _____

Email: _____

Bill To:

Name: _____

 Address: _____

City/State/Zip: _____

Country: _____

Phone: _____

Fax: _____

Email: _____

Services

Antigen Name/Code: _____

Antigen Type:

☐ Protein

☐ Peptide

☐ Peptide synthesis (\$25/residue)Subtotal

Sequences (A) _____

(B) _____

(C) _____

☐ Peptide carrier conjugation (\$150 each peptide)

If customer provides antigen, please fill the antigen information sheet first and email it to info@absea-antibody.com.

Antibody Production:

☐ First rat **\$130**
☐ Additional rats (\$115 each) Number of rats: _____

Shipping & Handling:

 \$50 per order **\$50**

Additional services:

Total: _____

Prices
Additional services:
☐ Western blot: (enquire)

☐ Flow cytometry: (enquire)

☐ Peroxidase conjugation: (\$150).....

☐ FTIC conjugation: (\$150).....

☐ Affinity purification: (\$300).....

☐ IgG purification: (\$300).....

☐ Fab or (Fab')₂ digestion: (enquire)

☐ ELISA kit development (enquire)

☐ Other (enquire)

Subtotal: _____

Payment Information:
☐ Purchase Order Number _____

Or

☐ Credit Card

 Type ☐ Visa ☐ Master ☐ American Express

Name on Card: _____

Expiration Date: _____

Total Amount: _____

Note

Please fax your order to 415-680-1560 (Chang Bioscience, Inc.)

Mouse Polyclonal Antibody Service Order Form

Ship To:

Name: _____

Address: _____

City/State/Zip: _____

Country: _____

Phone: _____

Fax: _____

Email: _____

Bill To:

Name: _____

Address: _____

City/State/Zip: _____

Country: _____

Phone: _____

Fax: _____

Email: _____

Services

Antigen Name/Code: _____

Antigen Type:

☐ Protein

☐ Peptide

☐ Peptide synthesis (\$25/residue)Subtotal

Sequences (A) _____

(B) _____

(C) _____

☐ Peptide carrier conjugation (\$150 each peptide)

If customer provides antigen, please fill the antigen information sheet first and email it to info@absea-antibody.com.

Antibody Production:

☐ First mouse.....

☐ Additional mouse (\$95 each) Number of mice: _____

Shipping & Handling:

\$50 per order

Additional services:

Total:

Prices
Additional services:
☐ Western blot: (enquire)

☐ Flow cytometry: (enquire)

☐ Peroxidase conjugation: (\$150).....

☐ FTIC conjugation: (\$150).....

☐ Affinity purification: (\$300).....

☐ IgG purification: (\$300).....

☐ Fab or (Fab')₂ digestion: (enquire)

☐ ELISA kit development (enquire)

☐ Other (enquire)

Subtotal: _____

Payment Information:
☐ Purchase Order Number _____

Or

☐ Credit Card

Type ☐ Visa ☐ Master ☐ American Express

Name on Card: _____

Expiration Date: _____

Total Amount: _____

Note

Please fax your order to 415-680-1560 (Chang Bioscience, Inc.)

Rabbit Polyclonal Antibody Service Order Form

Bill To:

Name:

Address:

City/State/Zip:

Country:

Phone:

Fax:

Email:

Prices

Antigen Type:

- ☐ Peptide synthesis (\$25/residue)Subtotal

(B)

(C)

- ☐ Peptide carrier conjugation (\$150 each peptide)

If customer provides antigen, please fill the antigen information sheet first and email it to info@absea-antibody.com.

☐ First rabbit.....

☐ Additional rabbit (\$250 each) Number of rabbits:

- Repeated bleeding and ELISA tests

(\$100 each 5-10 ml serum) Total no of rabbits: _____

\$50 per order

Additional services:

Total:

Payment Information:

- ☐
- Purchase Order Number

Or

- Name on Card:

Expiration Date: _____

Subtotal: _____

Total Amount:

Note

Please fax your order to 415-680-1560 (Chang Bioscience, Inc.)

Note

Rat Monoclonal Antibody Service Order Form

Bill To:

Name:

Address:

City/State/Zip:

Country:

Phone:

Fax:

Email:

Prices

Antigen Type:

- ☐
- Peptide

Sequences (A)

(C)

carrie

☐ Peptide carrier conjugation (\$150 each peptide)

If customer provides antigen, please fill the antigen information sheet first and email it to info@absea-antibody.com.

- First antigen

- ☐ Second antigen (\$4600).....

□ Additional subclones (\$50 each)	No of clones (n)	(n-3)*\$50
--	------------------	------------

- 15% antibody production discount if customer pays 60% upfront. Discount:

Discounts apply to antibody production charges only (shaded area). Unused

upfront payment will be returned to customers if production is terminated.

\$250 per order

\$250

Total:

Payment Information:

- ☐ Flow cytometry: (enquire)

- ☐ FTIC conjugation: (\$150).....

- ☐ IgG purification: (\$300).....

- ☐ ELISA kit development (enquire)

- Subtotal: _____

Subtotal: _____

- Or

- ☐
- Credit Card

Type ☐ Visa ☐ Master ☐ American Express

Name on Card:

Expiration Date: _____

- ☐ 60% upfront payment

Total Amount: _____

Note

Please fax your order to 415-680-1560 (Chang Bioscience, Inc.)

Antibody Production Protocol

Please contact us if you have special instructions.

Rat/Mouse Monoclonal Antibody Production Protocol

Week 1	SDS-PAGE for antigen, antigen preparation, injection & pre-bleed for 5 animals.
Week 4	2 nd injection
Week 7	3 rd injection
Week 9	<p>Test bleed & ELISA. We shall report our ELISA results to customers. Good antibody responses will show positive when anti-sera are diluted 50000 times or more. If antibody titer is poor, we'll do one more injection.</p> <p>Note: (1) Project may be terminated at this stage if antibody titer is not satisfactory. (2) If project is terminated, customers who do not pay upfront will be charged for 30% of the total cost of the whole project. (3) Customers who have paid upfront will get refund money. Refund = 60% upfront</p>
Week 13	Last challenge and fusion
Week 15	<p>Selection of positive clones by ELISA. We shall report our ELISA results to customers. The number of positive clones varies. Normally it is between 5 to 50.</p> <p>Note: (1) If no positive clones are found, we will do second fusion free of charge on customer's request. (2) Project may be terminated at this stage. (3) If project is terminated, customers who do not pay upfront will be charged for 60% of the total cost of the whole project. (4) Customers who have paid upfront do not need pay any more money.</p>
Week 17	<p>If customers need to test themselves, we'll send 150 µl supernatants to customers. Customers should tell us their decisions within 10 days after receiving the supernatants. We cannot keep cells un-subcloned for a long time as they may get lost after long time culture.</p> <p>Note: (1) Customers should be aware that antibodies that work for ELISA may not work for other tests such as Western blotting, flow cytometry, or histochemistry. When this happens, we normally do not do fusion again as the results will be most likely the same as before. Therefore, project may be terminated at this stage. (2) If project is terminated, customers who do not pay upfront will be charged for 60% of the total cost of the whole project. (3) Customers who have paid upfront do not need pay any more money. (4) Some customers may want us to do one more fusion. We shall charge \$900 for this additional fusion.</p>
Week 19	Subcloning. Customers will decide how many clones they want. We then do subcloning until all cells are positive.
Week 23	<p>Successfully subcloned cells will be expanded and frozen down.</p> <p>Note: (1) Customers who do not pay upfront and ask for less than three cell lines will be charged for 100% of the total cost. Additional subclones will be charged for \$50 each. (2) Customers who have paid upfront and ask for less than three cell lines will pay the rest amount of money. Additional subclones will be charged for \$50 each.</p>
Week 24	Less than 8 clones will be sent out at room temperature in culture flasks. If there are more than 8 clones, we suggest that the cells are sent on dry ice in frozen vials. However, additional postage will be made for dry ice transport.
Week 30	Unless specially arranged, we shall discard cells 6 weeks after customers have received them.
Optional	We also offer additional services such as Western, antibody conjugation to HRP and FITC, FACS, and antibody purifications.

Rat/Mouse polyclonal antibody service

Week 1 Day 1	SDS-PAGE for antigen, injection & pre-bleed (10-30 μ l serum)
Week 4 Day 22	2 nd injection
Week 7 Day 43	3 rd injection
Week 8 Day 50	Test bleed (10-30 μ l serum)
Week 8 Day 51	ELISA test for antibody titer
Week 8 Day 53	If ELISA shows good antibody titer, we may do the final bleed (1.5-4 ml serum per rat and 0.2-0.5 ml serum per mouse). If ELISA shows poor antibody titer, we'll do one more boost injection and ELISA test.

Rabbit polyclonal antibody service

Week 1 Day 1	SDS-PAGE for antigen, injection & pre-bleed (500 μ l to 1 ml serum)
Week 3 Day 15	2 nd injection
Week 6 Day 36	3 rd injection
Week 7 Day 43	Test bleed (500 μ l to 1 ml serum) & ELISA
Week 7 Day 46	If ELISA shows good antibody titer, we may do the final bleed (30-60 ml serum). If ELISA shows poor antibody titer, we'll do one more boost injection and ELISA test.
Optional	If a customer wishes to continue, we offer multiple bleeding. Customers will be charged \$100 for each additional bleeding.

Absea Antigen Information Sheet

In order to successfully make antibodies for your antigen, it is very important that we have some information about the antigen. Please fill the antigen information sheet (one sheet for one antigen) and email it to us as an attached document to info@absea-antibody.com or fax it back to us on +86-10-65284074. We shall quickly tell you if we would like to take the project.

Name/code of your antigen:

Please tick as appropriate for your antigen.

Does the antigen belong to mouse protein? Yes () No ()

Does the antigen belong to rat protein? Yes () No ()

Does the antigen belong to rabbit protein? Yes () No ()

Is the antigen stable? Yes () No () Unknown ()

Is the antigen soluble? Yes () No ()

Concentration and solvent of your antigen? ()

If preservative is added, what is it? ()

Is it a fusion protein? Yes () No ()

If yes, what is the fusion partner? ()

Molecular weight? (kDa)

Purity by SDS-PAGE? More than 90% () 70-90% () Less than 70% ()

Is the antigen toxic? Yes () No () Unknown ()

Is the antigen infectious? Yes () No () Unknown ()

Amount you could provide? More than 1.5 mg () 1-1.5 mg () Less than 1 mg ()

Want to get? Mouse monoclonals () Rat monoclonals ()

Rabbit polyclonals () Rat polyclonals () Mouse polyclonals ()

Marketing rights to Absea? Agree () Disagree ()

Your details:

Name	
Address	
City	
Postcode (zip)	
Country	
Telephone	
Fax	
Email	