

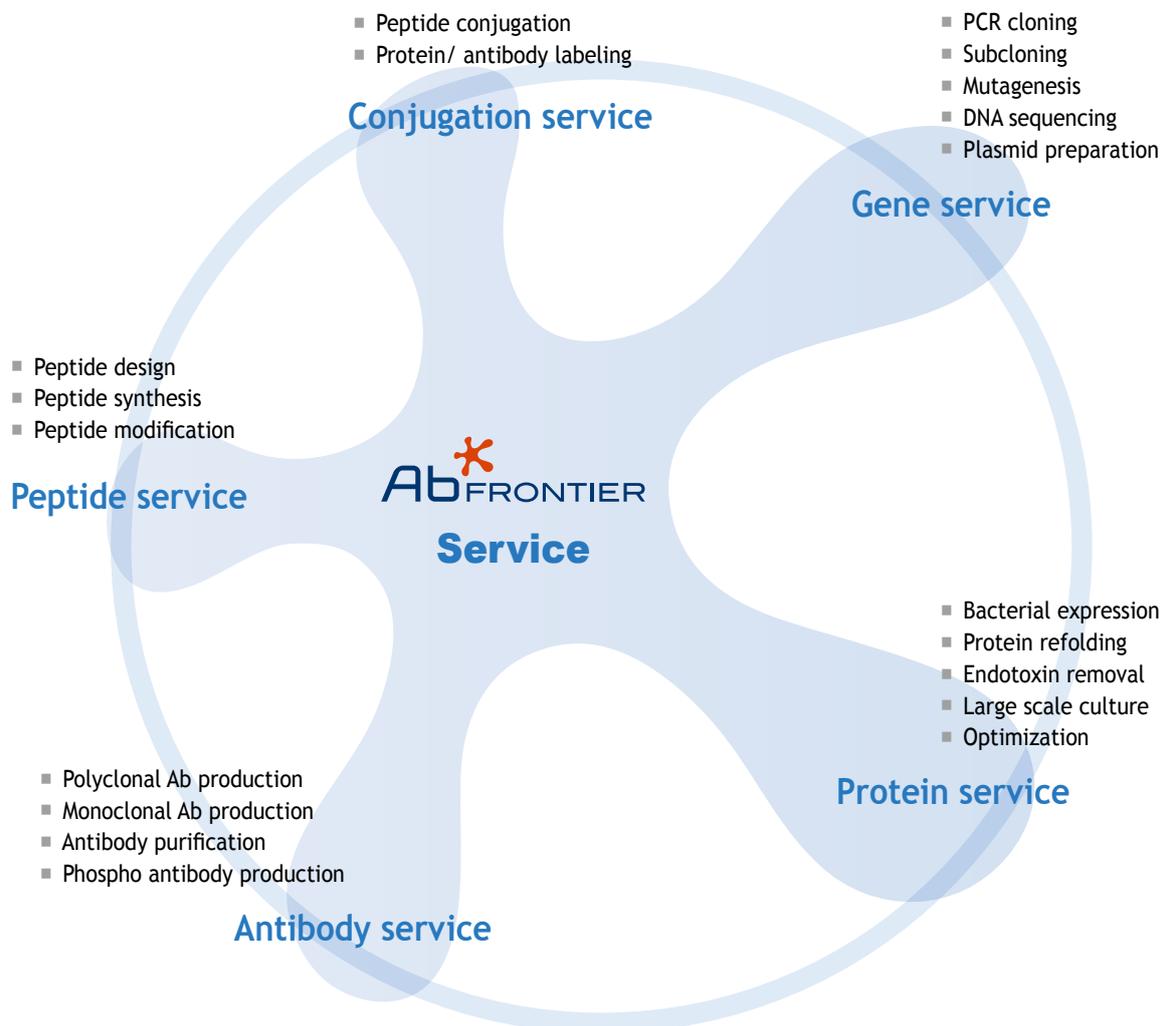
Custom Antibody Service

Ab* FRONTIER



- Over 30,000 custom antibodies worldwide since 2004
- Human Protein Atlas' (HUPO, www.proteinatlas.org) major antibody partner
- Supplied 3,000 catalogue antibody products
- 4,000 animal cages controlled in clean-room (including 500 SPF)
- Seasoned antibody research scientists with 300 years of experience
- Strict QC by YQMS (Young In Frontier Quality Management System)

Custom Antibody Service





Custom Antibody Service



Technical Overview

Antibodies are reagents used in ELISA, WB, IP, IHC and ICC for having the property of antigen specific affinity. Abfrontier’s antibody production service using rabbit, mouse, rat and goat helps you with the antigen preparation that along with the production service can expand the purpose and use of antibodies for you.



Service Features

- Save time and cost
- One stop service
 - Peptide prediction, Peptide synthesis, Polyclonal antibody, Monoclonal antibody
- Easy ordering for service

Polyclonal Antibody Service

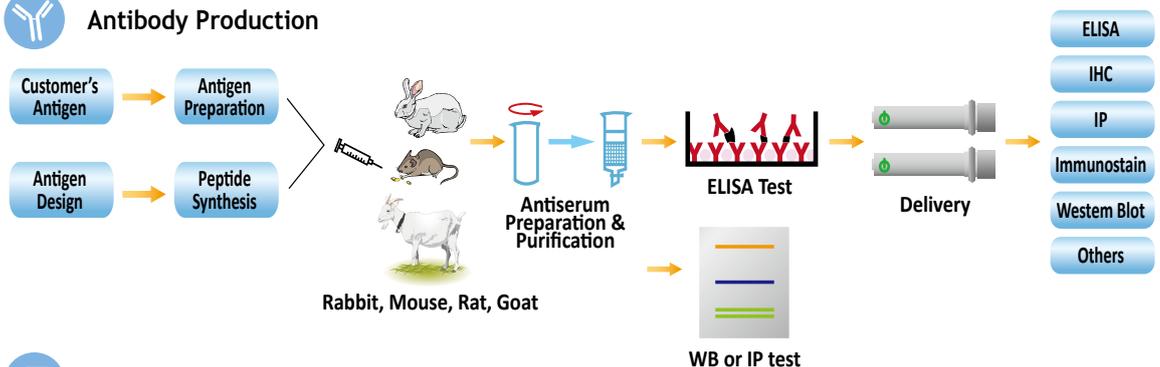


Service Overview

- Protein 2.5 mg (purity : 90-95%) or peptide 5 mg (purity : about 70%)
- Animal: Mouse, Rabbit, Rat, Goat
- 2 test bleeds provided
- Optional WB or IP test available
- Service time: 10 weeks



Antibody Production



Service list & period

Service	Service type	Species	Antigen
Abpep minus (only immunization, Ag not provided)	Poly Ab production Phospho Ab production	Mouse Rat Rabbit Goat	Peptide 5mg, 70%
Abpep zero (peptide prediction ~ immunization)			
Abpep (peptide prediction ~ ELISA test)			
Abpep plus (peptide prediction ~ affinity purification)			
package 1 (only immunization)	Poly Ab production	Mouse Rat Rabbit Goat	Protein 2.5mg, 90-95%
package 2 (immunization ~ ELISA test)			
package 3 (immunization ~ affinity purification)			

Monoclonal Antibody Service



Service list & period

Cat no	Service	period
YF411000	Basic 1 mAb Package (antigen not included/ ELISA screening)	4 months
YF412000	Basic 2 mAb Package (antigen not included/ WB, IP screening)	
YF413000	Plus 1 mAb package (ELISA screening)	
YF414000	Plus 2 mAb package (WB, IP screening)	
YF415000	Basic-phospho 1 mAb package (antigen not included/ ELISA screening)	
YF416000	Basic-phospho 2 mAb package (antigen not included/ WB, IP screening)	
YF417000	Plus-phospho 1 mAb package (ELISA screening)	
YF418000	Plus-phospho 2 mAb Package (WB, IP screening)	



Antibody production

- Immunization using 4 BALB/c strain mice
- Approx. 5mg of a peptide antigen should be synthesized
- 2.5mg of a purified protein required
- Culture supernatant provided for test
- A minimum of 2 of the best clones provided



Additional Service

- Ascites produced in BALB/c strain mice
- Culture supernatant of the hybridoma cells produced
- Approx. 2-5ml of ascites from a mouse
- period: 3 weeks

Antibody Purification Service



Service Overview

Abfrontier provides a high-grade purification service using serum or ascites. These range from relatively common methods, such as Protein A/G, affinity purification. Antibody purification service offers you a package solution that can purify any antibody quickly and efficiently.



Service list & period

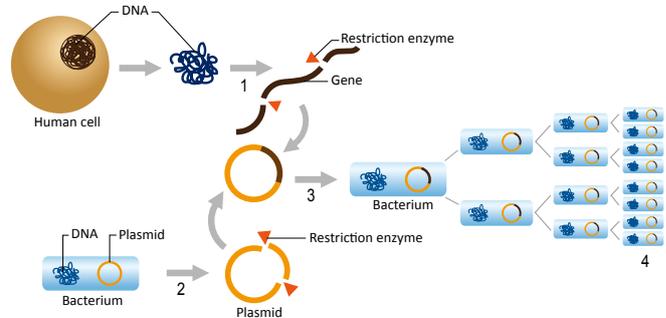
Cat no	Service	period
YF510000	Protein A or G purification (serum 10ml each)	1-2 weeks
YF520000	Protein A or G purification (serum 100ml each)	
YF530000	Affinity purification (serum 10ml each)	
YF540000	Affinity purification (serum 100ml each)	

PCR Cloning, Subcloning and Mutagenesis Service



Service Overview

We can clone various DNA fragments into the vector provided or authorized by customers. You can save time and money by consigning your project to Abfrontier's experienced handling. We design primers for PCR amplification of a target DNA sequence of your interest.



Service list & period

Cat no	Service	period
YF111100	< 1kb PCR cloning (template provided by customer)	3 weeks
YF111200	1-2kb PCR cloning (template provided by customer)	
YF111300	2-3kb PCR cloning (template provided by customer)	
YF111400	3kb < PCR cloning (template provided by customer)	
YF111500	< 1kb PCR cloning (template provided by AbF)	
YF111600	1-2kb PCR cloning (template provided by AbF)	
YF111700	2-3kb PCR cloning (template provided by AbF)	
YF111800	3kb < PCR cloning (template provided by AbF)	
YF112000	Subcloning	2 weeks
YF120000	Mutagenesis	

Protein Purification Service



Service Overview

Abfrontier offers protein expression system using bacteria from small scale to large scale for your research. Protein purification service includes: Optimization, Economic package 1, Economic package 2, General package. Our service includes start-to-finish purification by our experienced scientific staff, to meet customers' specific needs.



Service list & period

Cat no	Service	period
YF210000	Optimization (protein expression condition)	1-2 weeks
YF220000	Economic package 1 (cell pellet provided by customer)	2-3 weeks
YF230000	Economic package 2 (Large culture ~ protein purification)	
YF240000	General package (optimization ~ protein purification)	



How to order

The order form can be downloaded from our website



Order Online

Most of Abfrontier's custom services can be ordered online directly.

<http://www.abfrontier.com/>



Order by Phone

Call +82-1577-2684 to place your order by telephone. Custom service representatives are available Mon-Fri 9:00 a.m. to 6:00 p.m. (GMT+9)



Order by Fax

Fax your order to +82-31-460-9410



Order by E-Mail

orders@younginfrontier.com

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YOUNG IN FRONTIER

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Antigen Preparation Service



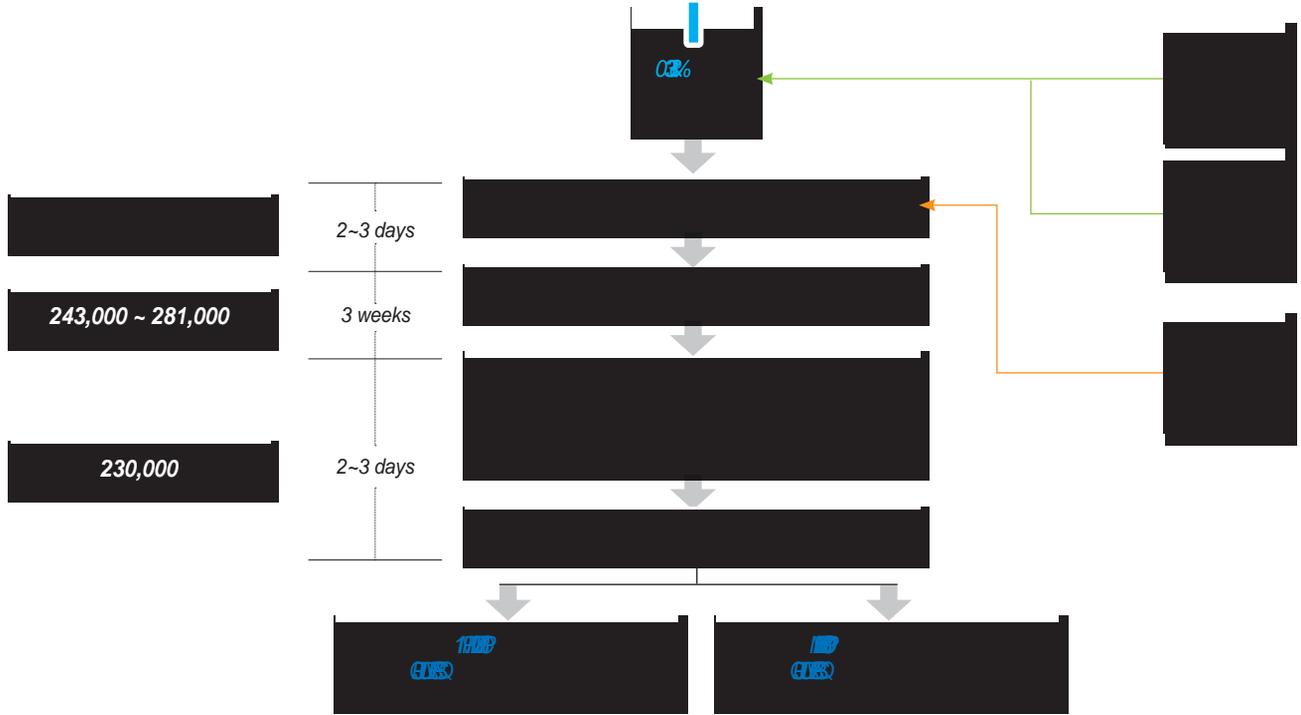
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RESEARCH AND
DEVELOPMENT
TECHNOLOGY
'41 KNOWLEDGE
FACILITIES
RESEARCH OPPORTUNITIES



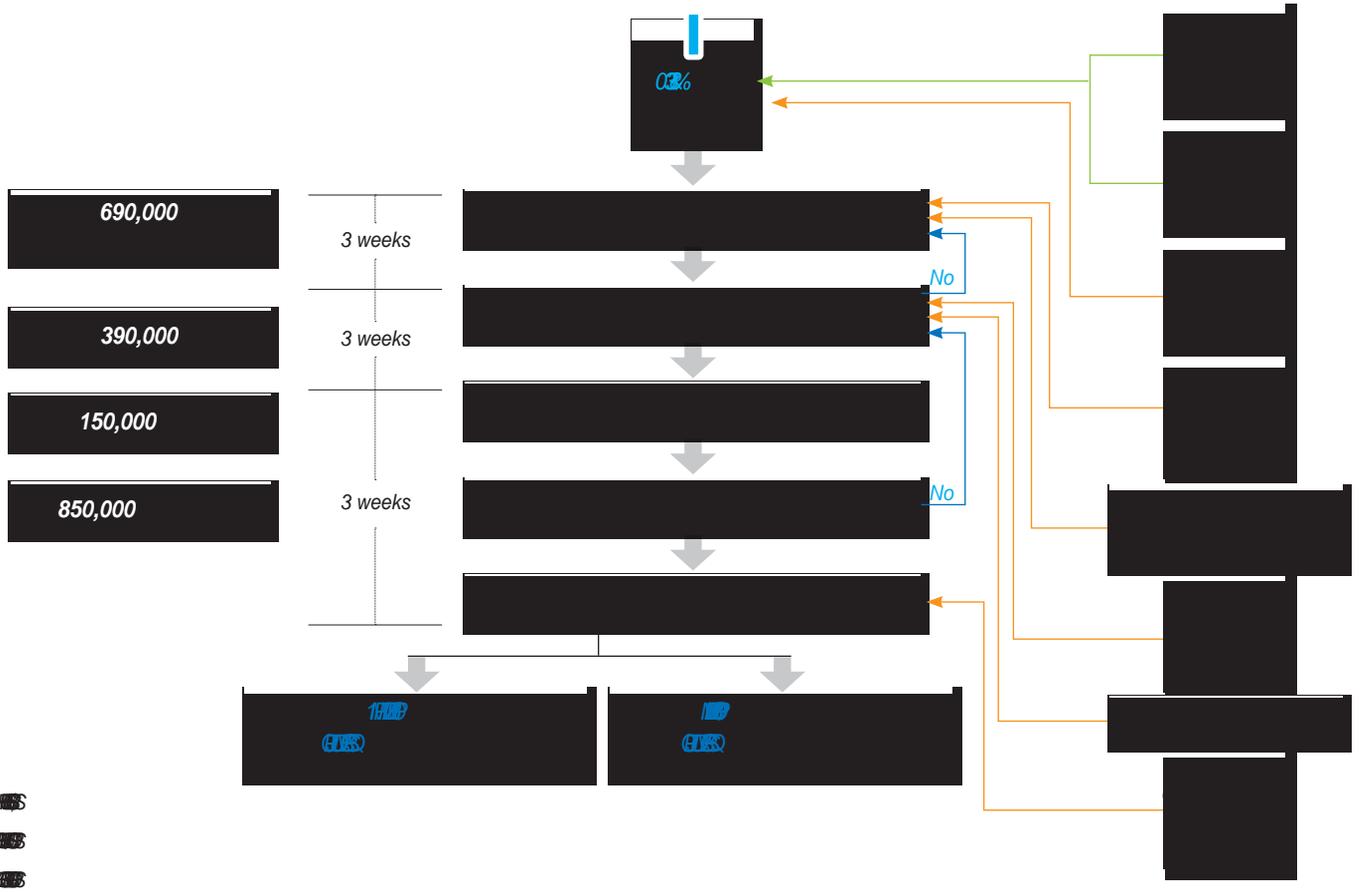
Peptide

C₁₂

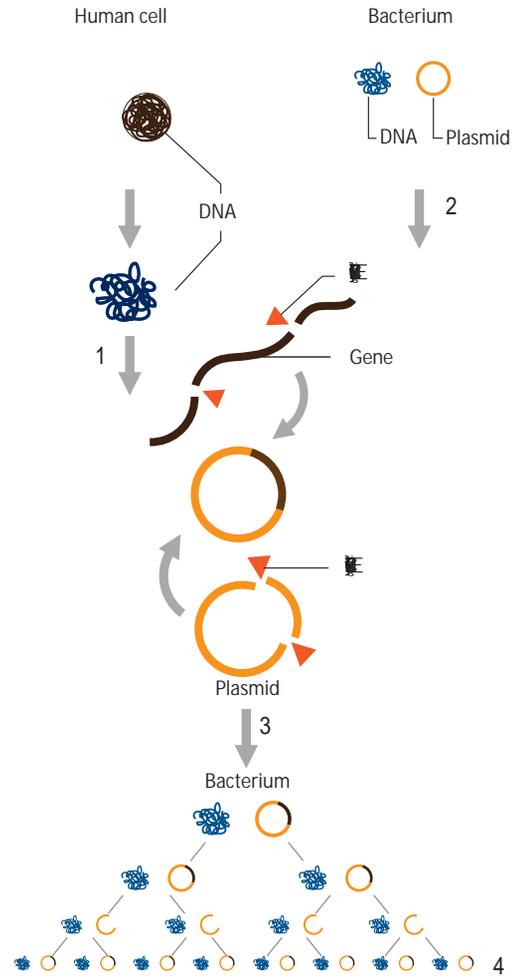


Protein

C₁₂



- 1000
- 100
- 100



Young In Frontier's

RESEARCH AND
 DEVELOPMENT
 TESTING AND
 '4' KILLING
 RESEARCH
 RESEARCH AND
 DEVELOPMENT

