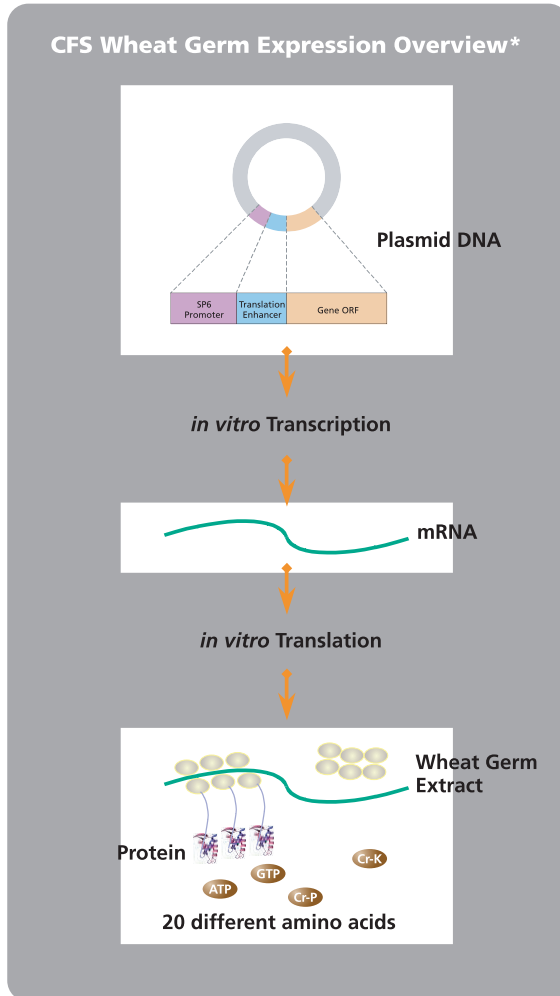


Custom Service for Monoclonal Antibody Production

Abnova understands the importance of monoclonal antibody for your research. We offer monoclonal antibody (Mab) development in mice, with guaranteed success based on standard endpoints or customer's specific applications. Our high rate of success, short turn-around time and affordable cost is due to our hybridoma technology, state-of-the-art mouse facility, extensive experience in antibody production for over 4,000 gene targets, and flexibility to suit our customer's needs.

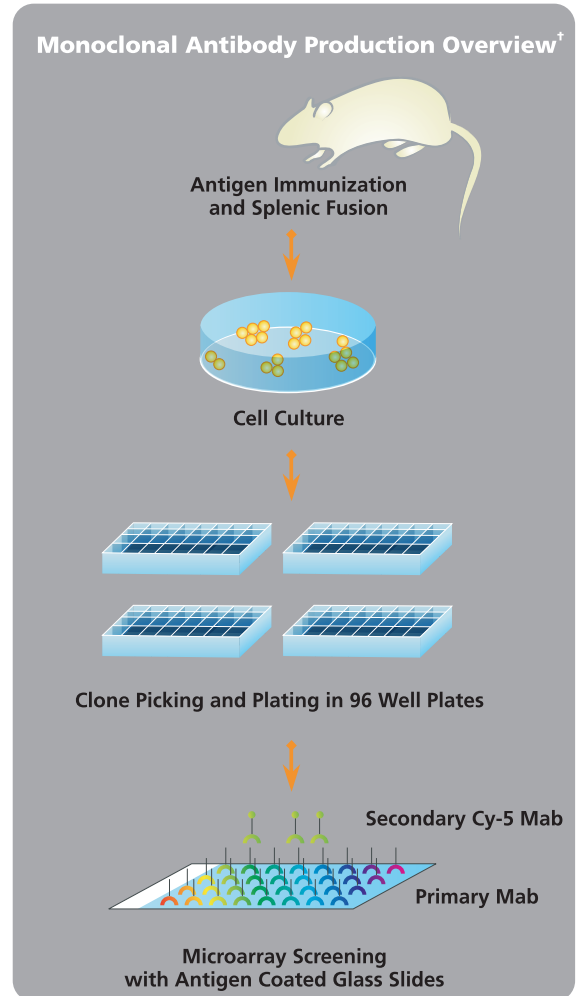


Advantages:

- High Solubility
- High Yield
- High Success Rate
- Automated Expression and Purification
- Native Protein Conformation

*Under license from CFS, abbreviation of CellFree Sciences Co. Ltd., Japan.

Sawasaki T, Ogasawara T, Morishita R, Endo Y. A cell-free protein synthesis system for high-throughput proteomics. Proc Natl Acad Sci U S A. 2002 Nov 12;99(23):14652-7



Advantages:

- Multiple Antigen Immunization
- Robotic Monoclonal Isolation
- Multiplex Antigen Microarray Screening
- Clone Delivery in 12 Weeks
- Ideal for Phospho-Specific Antibody Production

†Under license from EMBL, abbreviation of European Molecular Biology Laboratory.

De Masi F, Chiarella P, Wilhelm H, Massimi M, Bullard B, Ansorge W, Sawyer A. High throughput production of mouse monoclonal antibodies using antigen microarrays. Proteomics. 2005 Nov;5(16):4070-81

Custom Mab Services		Standard Package	Delux Package					Premium Package	
Phase I	Payment 1	(USD) Non-refundable startup fee						Quote	
	Antigen Preparation	Customer-supplied antigen (protein)* Please quote if the customer requires antigen prepared by Abnova**	√	√	√	√	√	√	
		Customer-supplied antigen (peptide)* Please quote if the customer requires antigen prepared by Abnova**							
Immunization	Number of mice immunized will be specified by the customer						√		
Phase II	Fusion & Screening	Immunization of mice and hybridoma fusion	√	√	√	√	√		
		ELISA screen up to 1000 hybridoma clones	√	√	√	√	√		
		Stabilization of up to 20 positive clones	√	√	√	√	√		
		Any mouse that shows a customer's required titer will be used to create ELISA positive monoclonal antibodies						√	
	Delivery	ELISA data and up to 20 clones of ELISA-positive culture supernatants sent to customer for testing	√						
		WB data (overexpression lysate or customer specific lysate) & ELISA data and up to 20 clones of WB-positive culture supernatants sent to customer for testing***		√				√	
		IHC data (customer specific tissue) & ELISA data and up to 20 clones of IHC-positive culture supernatants sent to customer for testing***			√			√	
		IF data (customer specific tissue) & ELISA data and up to 20 clones of IF-positive culture supernatants sent to customer for testing***				√	√		
		The ELISA-positive monoclonal antibodies will be delivered to customer in the format of 200 µg purified Mabs.						√	
	Payment 2	(USD) Non-refundable						Quote (per mouse hybridoma project)	
Lead time	(Month)	2~2.5	2.5~3.0	2.5~3.0	2.5~3.0	2.5~3.0			
Phase III	Customer's Testing	Customer will test the supernatants on specific applications to determine the number of positive monoclonal antibodies	√	√	√	√	√		
		Customer will test the purified Mabs on specific applications to determine the number of positive monoclonal antibodies						√	
Phase IV	Hybridoma Delivery	Customer will request hybridomas deemed suitable for customer's needs Deliverable: 1~5 hybridomas clones****	√	√	√	√	√		
		Customer will request hybridomas deemed suitable for customer's needs and pay Abnova for each hybridoma****						√	
	Payment 3	(USD) Payment 3 is only paid upon hybridoma delivery						Quote (per hybridoma)	
Total Price		(USD)							

*Antigen Requirement (provided by customer):

- (I) Protein Immunization: 0.3~0.6mg
- (II) Peptide Immunization:
Conjugated-peptide (180ug) for immunization and
Free-Peptide (160ug) for screening step

**Immunogen Provided by Abnova:

- (I) Purified recombinant protein: additional US\$2,300 service fee will be charged by Abnova. Setup fee \$800, or
 - (II) Peptide: additional US\$1,000 service fee will be charged by Abnova. Setup fee \$1,000, or
 - (III) Abnova may obtain from a source subject to customer's approval, and invoice the cost to the customer.
- Lead time: 1~1.5 month

***Overexpression lysate, customer specific lysate or tissue sections may be provided by Abnova. Fees are included in Payment 2.

****Cell Line Storage (3 vials/cell line/year) - \$50