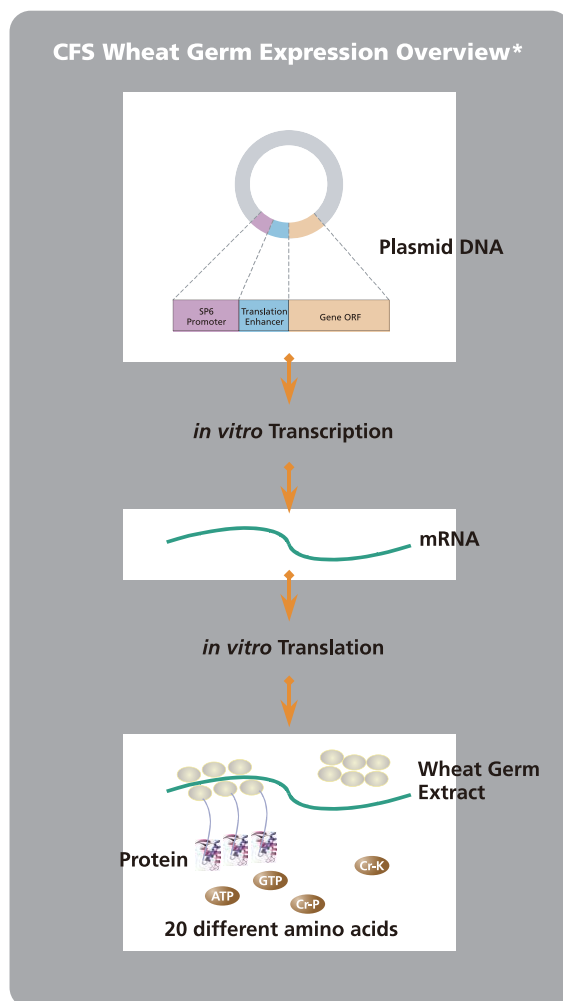


Custom Service for Monoclonal Antibody Production

Abnova offers monoclonal antibody (Mab) development in mice and rats, with guaranteed success based on standard endpoints or customer's specific applications. Our high rate of success, short turn-around time and affordable cost are due to our proprietary hybridoma technology, state-of-the-art, specific pathogen free (SPF) facility, extensive experience in antibody production for over 10,000 gene targets, and flexibility to suit our customer's needs.

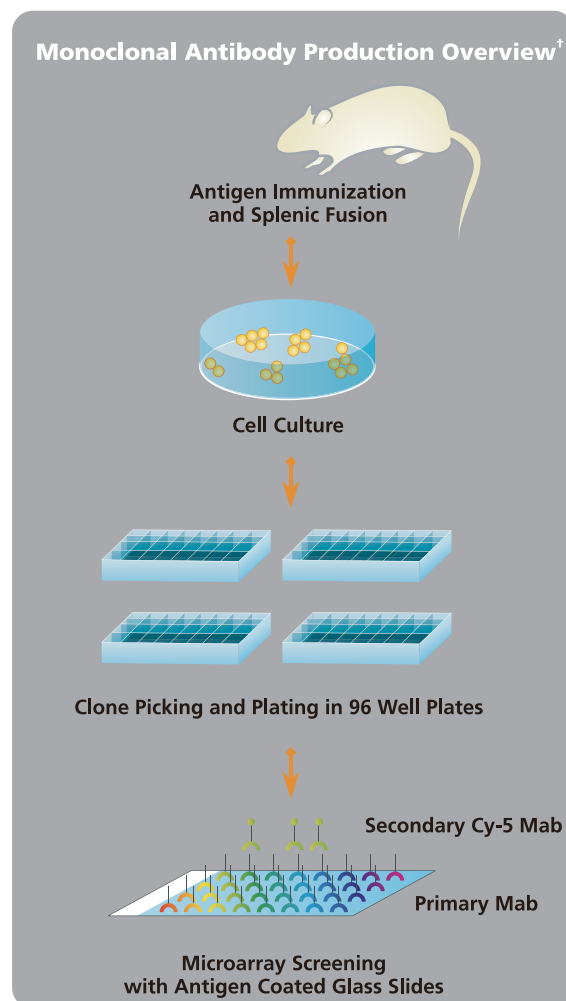


Advantages:

- 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, Ansong W, Sawyer A. High throughput production of mouse monoclonal antibodies using antigen microarrays. Proteomics. 2005 Nov;5(16):4070-81

	Services Items		Standard Package
Phase I	Payment 1	(USD/EUR) Non-refundable startup fee	Quote
	Antigen Preparation	Customer-supplied antigen (protein)* Please quote if the customer requires antigen prepared by Abnova**	V
		Customer-supplied antigen (peptide)* Please quote if the customer requires antigen prepared by Abnova**	
Immunization	Number of mice / rat immunized will be specified by the customer		
Phase II	Fusion & Screening	Fusion: one animal with the best titer	V
		ELISA screen up to 384x2 hybridoma clones per fusion mouse	V
		Stabilization of up to 20 positive clones per fusion mouse	V
		Any mice / rat that shows a customer's required titer will be used to create ELISA positive monoclonal antibodies	
	Final Deliverables	ELISA data and up to 10 clones of ELISA-positive hybridoma clones*** and culture supernatants (3ml/clone).	V
	Payment 2	(USD/EUR) Payment 2 is only paid upon hybridoma delivery	Quote
	Lead time	(Week)	22~24 Weeks
	Total Price	(USD/EUR)	Quote

***Mouse Monoclonal Antibody Antigen Requirement (provided by customer):**

- Protein Immunization: 500µg for two mice
- Peptide Immunization:
Conjugated-peptide (1mg) for immunization and Free-peptide (0.5mg) for screening step

****Immunogen Provided by Abnova:**

- Purified recombinant protein: please tell us the gene ID of UniProt.
- Peptide and Phosphopeptide: please refer to peptide synthesis service.
- Abnova may obtain from a source subject to customer's approval, and invoice the cost to the customer.

Lead time: 1~1.5 month

*****Cell Line Storage (3 vials/cell line/year) - Quote**