

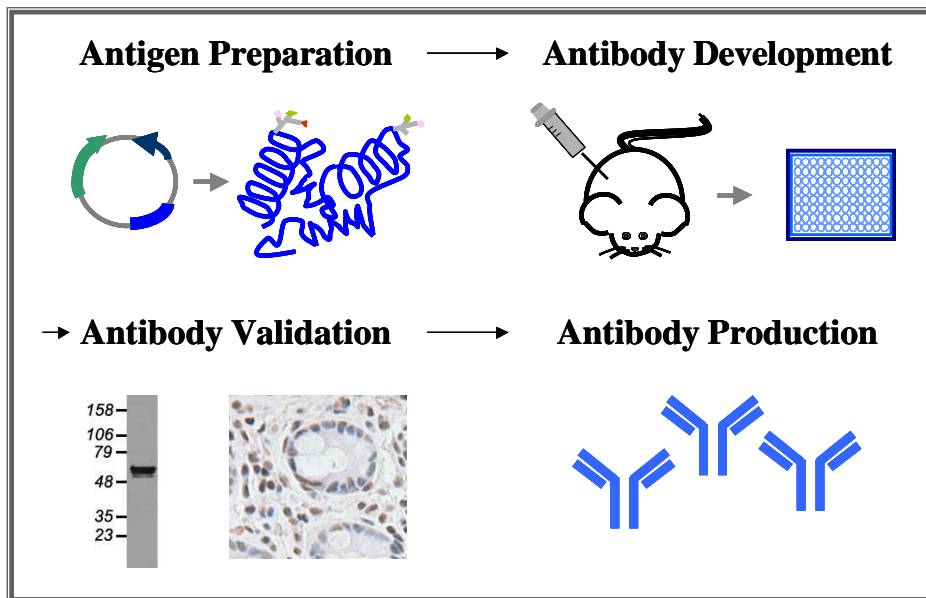
Mouse Monoclonal Antibody Development Using Human Proteins as Antigens Starting at \$1,500

NativeEpitope™ Joint-development Program for Human Proteome

Cannot find good quality antibodies for your human proteins?

OriGene offers collaborative mouse monoclonal antibody development services for human proteins at low cost. Upon the acceptance of the request after OriGene's evaluation, the participant contributes a portion of the development cost to receive 6 mg antibodies (not including hybridoma cells), and OriGene will take care of:

- **Antigen preparation** (human proteins expressed in human cell line with genuine mammalian post-translational modification, purified under native condition)
- **Mouse monoclonal antibody development**
- **Antibody validations** (WB on a panel of cell lines, IHC on 18 tissues, IF & ELISA)
- **Antibody production & affinity purification**



Benefits of the programs:

- **Use protein antigens with native conformations** to generate antibodies recognizing native epitopes with high reactivity and specificity
- **Antigens not required**, OriGene will prepare the antigens
- **OriGene provides extensive characterization data** for antibody validation
- **OriGene delivers affinity purified antibodies** ready for your assays. OriGene will deliver aggregated total of 6 mg of affinity purified monoclonal antibodies derived from your selection of 1-3 clones. Hybridomas are not included under program fee.
- **The cost of joining the program is low with minimum risk**

Program Cost. OriGene guarantees antibodies with detectable Western blot results of over-expression cell lysates. **Participants pay only a \$250 set-up fee for a failed project (program A & B).** A typical project will take 4-7 months upon acceptance from initiation to delivery.

- **Program A. \$1,250.** Participants provide antigens (1-2 mg of human proteins) for immunization.
- **Program B. \$1,500.** OriGene provide antigens from its catalog collection of over 5000 purified human proteins expressed in human HEK293 cell. For protein availability, visit <http://www.origene.com/protein>
- **Program C. \$1,500 plus shared cost** of custom antigen preparation fee. Custom antigen preparation is required. OriGene will evaluate the feasibility and cost of generating this custom antigen from our extensive human cDNA collection and split the cost with the participants. For a failed project, pay \$250 and shared cost of custom antigen preparation fee.

How was the program fee determined ?

- OriGene subsidizes part of the monoclonal antibody development cost. OriGene's long-term goal is to provide high quality monoclonal antibodies covering the entire human proteome.
- OriGene is sharing its valuable resources of
 - over 5,000 purified human proteins
 - over 25,000 full length human cDNA clones

Program Terms & Conditions

- \$250 non-refundable set-up fee required upon the acceptance and initiation of the projects.
- Participants agree to cite OriGene as the source of the monoclonal antibodies in all publications and public communications.
- Frozen hybridoma cells are not included under the program fee. OriGene retains ownership and the rights to the commercialization of the derived hybridomas and antibodies. Hybridoma cells can be purchased under separate licensing agreement. Future purchases of the antibodies related to the project will be under OriGene's catalog offering.
- The derived antibodies shall only be used for research purposes. The resale of the derived antibodies, or any unmodified derivatives and parts thereof, is strictly prohibited. Participants shall only have a non-transferable right to use the derived antibodies.