

Source

Mouse monoclonal antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with Bevacizumab F(ab')₂.

Isotype

Mouse IgG1/kappa

Specificity

Recognizes Bevacizumab specifically, no cross reactivity with other humanized antibodies.

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

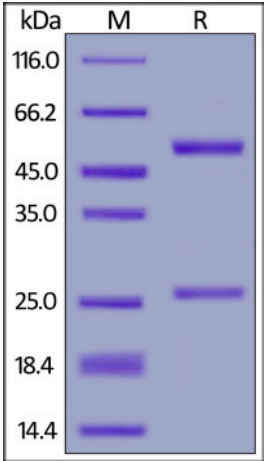
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 4-8°C for 12 months in lyophilized state;
- -70°C for 12 months under sterile conditions after reconstitution.

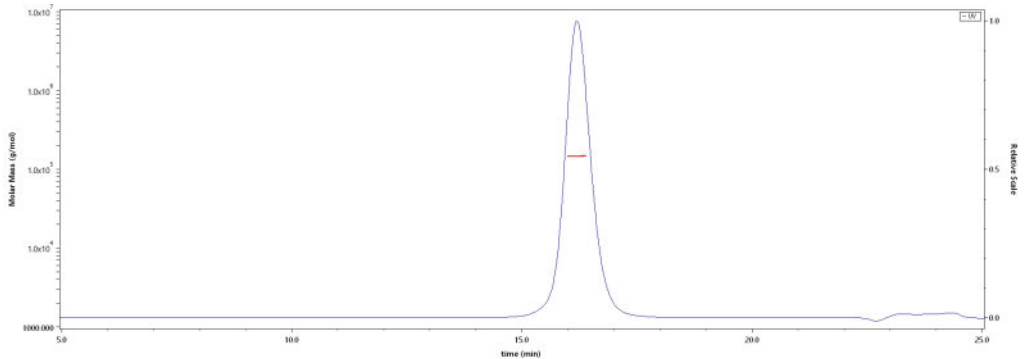
SDS-PAGE



Anti-Bevacizumab Antibody (AY10) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-Elisa

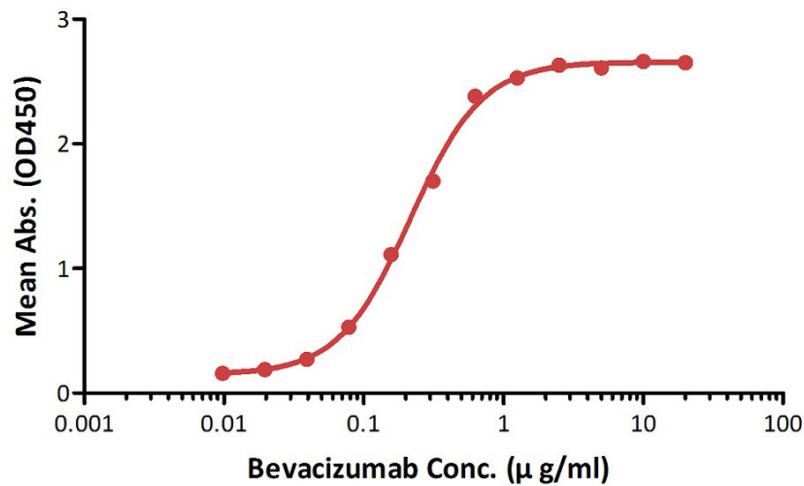
SEC-MALS



The purity of Anti-Bevacizumab Antibody (AY10) (Cat. No. BEB-Y10) is more than 95% and the molecular weight of this protein is around 135-155 kDa verified by SEC-MALS.

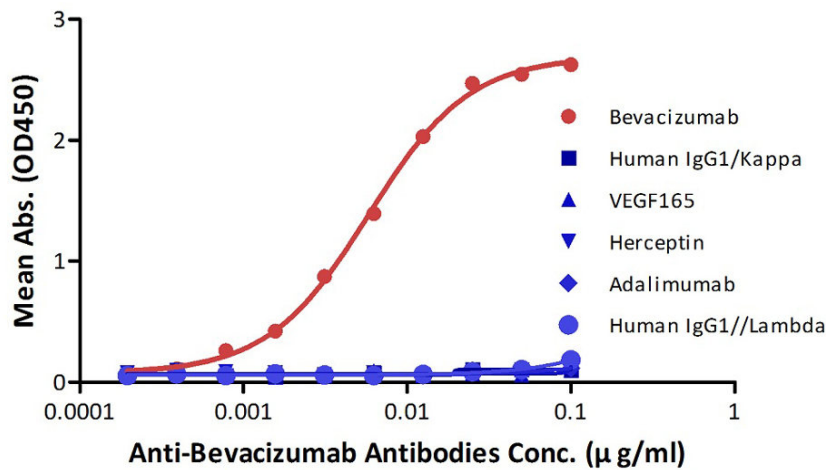
[Report](#)

Anti-Bevacizumab Antibodies-PK ELISA



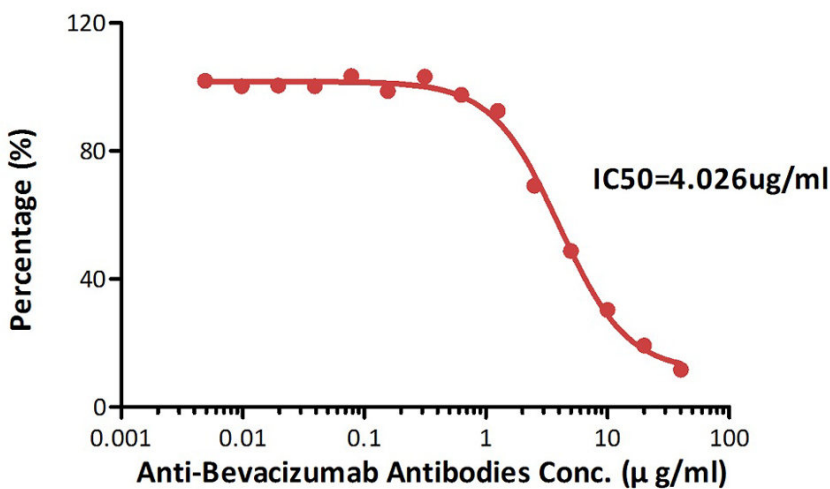
Detection of bevacizumab by bridging ELISA in serum. Immobilized Anti-Bevacizumab Antibody (AY10) (Cat. No. BEB-Y10) at 2 μg/mL, add increasing concentrations of bevacizumab (10% human serum) and then add Biotinylated Anti-Bevacizumab Antibody (AY13) (Cat. No. BEB-BY13) at 2 μg/mL. Detection was performed using HRP-conjugated streptavidin with a sensitivity of 0.4 μg/mL.

Determination of Anti-Bevacizumab Antibodies Specificity



Immobilized Bevacizumab at 1 μg/mL (100 μL/well) can bind Anti-Bevacizumab Antibody (AY10) (Cat. No. BEB-Y10) with a linear range of 0.39-25 ng/mL.

Anti-Bevacizumab Antibodies—Inhibition ELISA



Immobilized Bevacizumab at 2 μg/mL (100 μL/well) can bind pre-mixed Anti-Bevacizumab Antibody (AY10) (Cat. No. BEB-Y10) and Biotinylated Human VEGF165, His,Avitag (Cat. No. VE5-H82Q0) with a inhibition rate of 81%.

Background

A recombinant humanized monoclonal IgG1 antibody that binds to and inhibits the biologic activity of human vascular endothelial growth factor (VEGF). Bevacizumab contains human framework regions and the complementarity-determining regions of a murine antibody that binds to VEGF. Bevacizumab is produced in a Chinese Hamster Ovary mammalian cell expression system in a nutrient medium containing the antibiotic gentamicin and has a molecular weight of approximately 149 kilodaltons.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.