

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 Adalimumab F(ab')₂.

Isotype

Mouse IgG1/kappa

Specificity

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

Purity

>95% as determined by SDS-PAGE.

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.

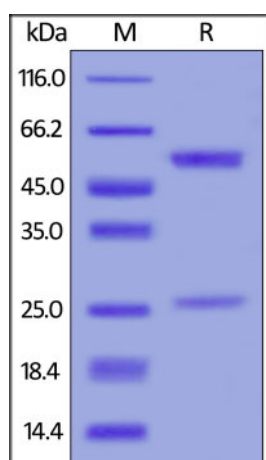
Storage

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:

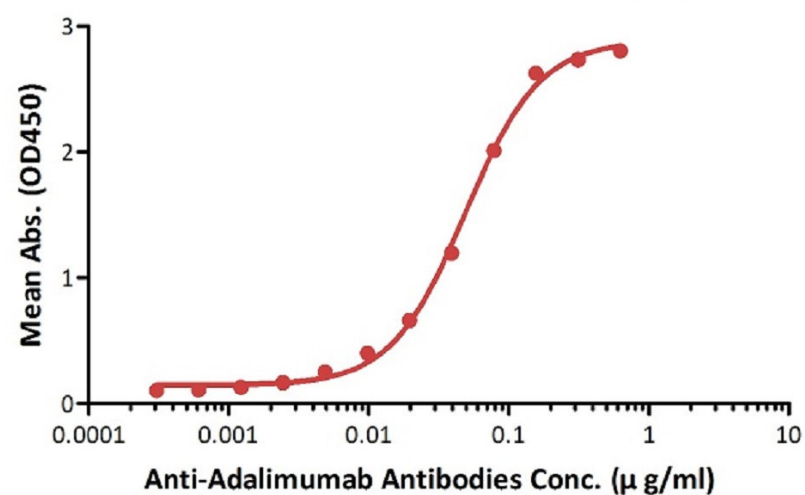
- 4-8°C for 12 months in lyophilized state;
- -70°C for 3 years under sterile conditions after reconstitution.

SDS-PAGE

Anti-Adalimumab Antibody (AY19) on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

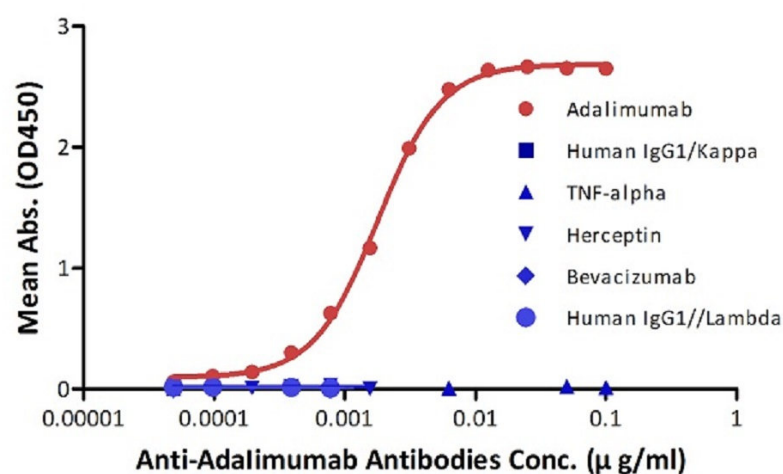
Bioactivity-Elisa

Anti-Adalimumab Antibodies—Bridging ELISA



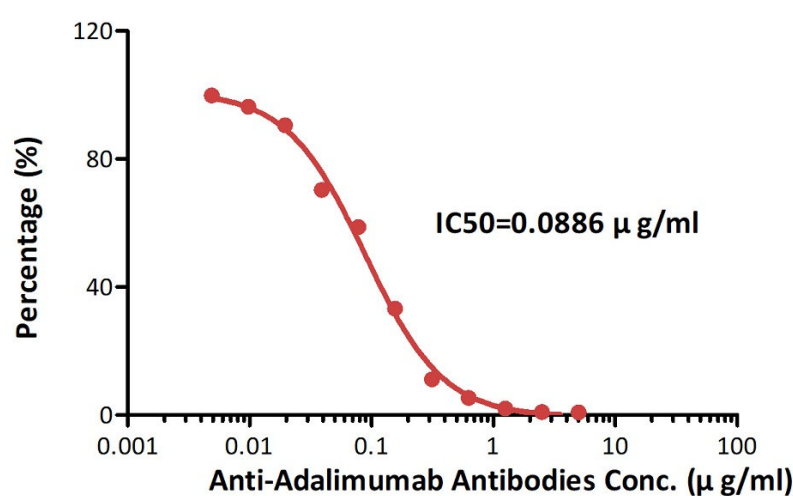
Anti-Adalimumab Antibodies bridging ELISA for Anti-Drug Antibody (ADA) assay development. Immobilized adalimumab at 1 µg/mL, add increasing concentrations of Anti-Adalimumab Antibody (AY19) (Cat. No. ADB-Y19, 10% human serum) and then add biotinylated adalimumab at 5 µg/mL. Detection was performed using HRP-conjugated streptavidin with a sensitivity of 0.6 ng/mL.

Determination of Anti-Adalimumab Antibodies Specificity



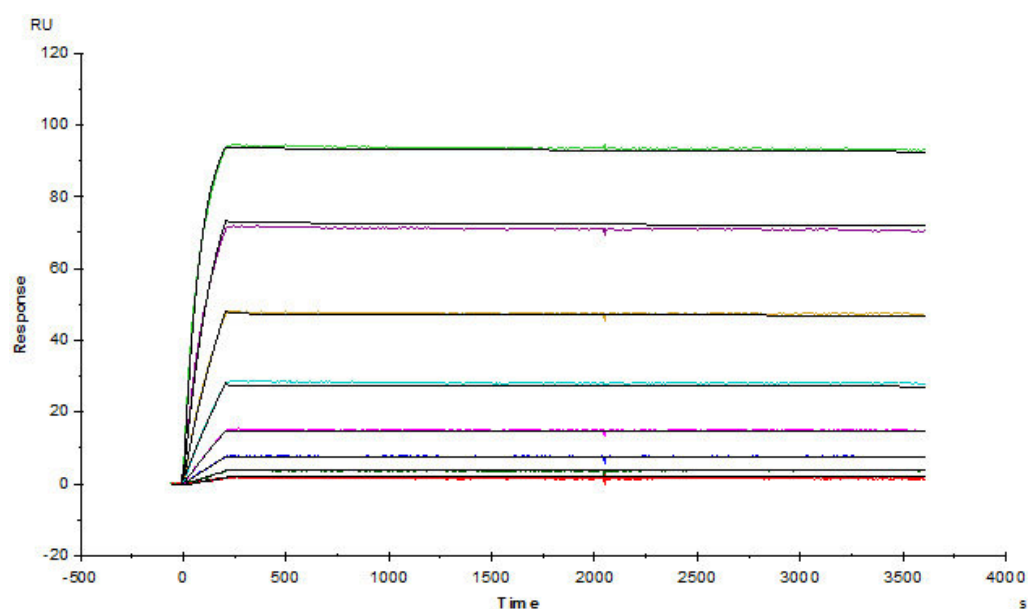
Demonstration of the specificity of Anti-Adalimumab Antibody (AY19) (Cat. No. ADB-Y19) to the adalimumab.

Anti-Adalimumab Antibodies—Inhibition ELISA



Measured by its neutralizing ability in a functional ELISA. Immobilized adalimumab at 0.5 µg/mL (100 µL/well) can bind pre-mixed Anti-Adalimumab Antibody (AY19) (Cat. No. ADB-Y19) and Biotinylated Human TNF-alpha, His,Avitag (Cat. No. TNA-H82E3) with an inhibition rate of 100%.

Bioactivity-SPR



Anti-Adalimumab Antibody (AY19) (mouse IgG1, Cat. No. ADB-Y19) captured on CM5 chip via anti-mouse antibodies surface, can bind human adalimumab with an affinity constant of 1.36 pM.

Background

Adalimumab is a human monoclonal antibody against TNF-alpha. It is produced by recombinant DNA technology using a mammalian cell expression system. It consists of 1330 amino acids and has a molecular weight of approximately 148 kilodaltons.

Clinical and Translational Updates

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