

Anti-Adalimumab Antibody (AY19)

Catalog # ADB-Y19



Source

Anti-Adalimumab Antibody (AY19) is a Mouse monoclonal antibody produced from a hybridoma created by fusing SP2/0 myeloma and Mouse B-lymphocytes.

Clone

AY19

Species

Mouse

Isotype

Mouse IgG1/kappa

Antibody Type

Hybridoma Monoclonal

Reactivity

Human

Immunogen

Adalimumab.

Specificity

Recognizes Adalimumab specifically.

Application

Application	Recommended Usage
ELISA	5-600 ng/mL

Purity

>95% as determined by SDS-PAGE.

Purification

Protein A purified/ Protein G purified

Formulation

Lyophilized from 0.22 μ m 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

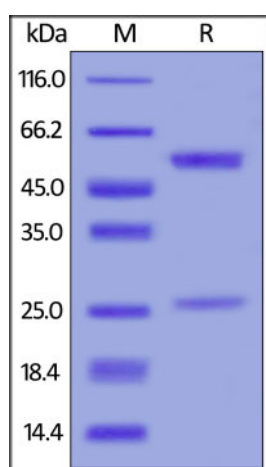
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- $4-8^{\circ}\text{C}$ for 12 months in lyophilized state;
- -70°C for 12 months under sterile conditions after reconstitution.

SDS-PAGE



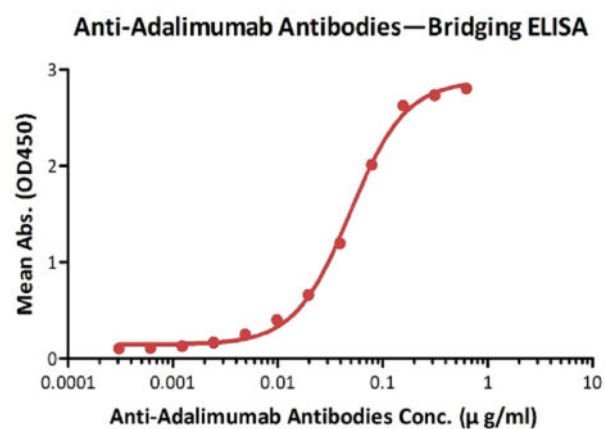
Anti-Adalimumab Antibody (AY19) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Discounts, Gifts,
and more!

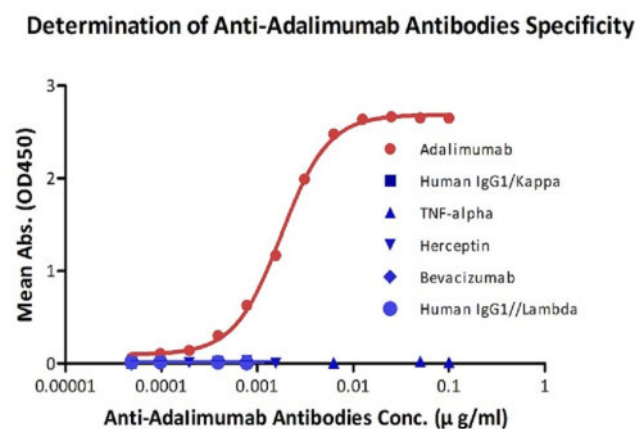




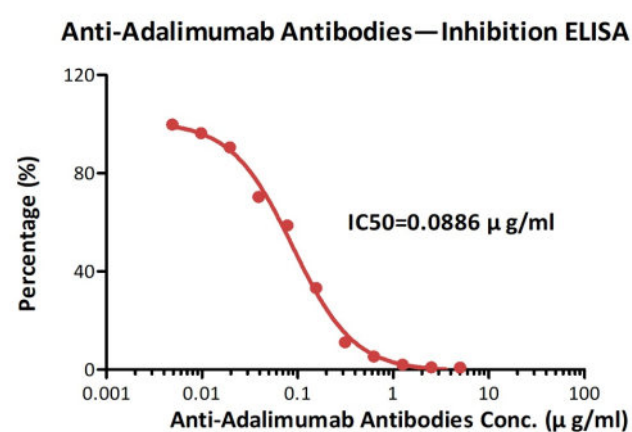
Bioactivity-ELISA



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 (QC tested).

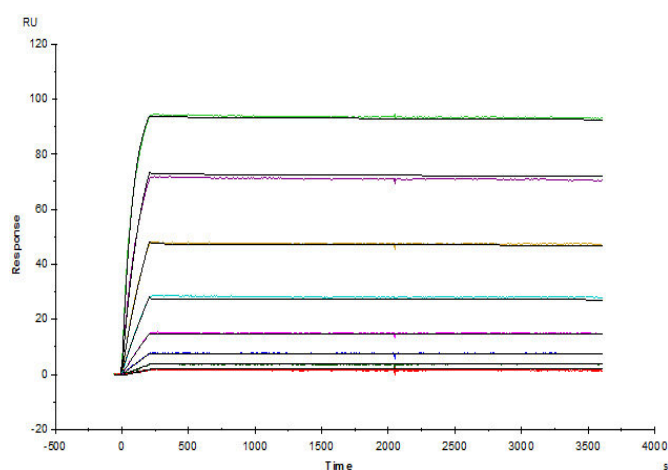


Demonstration of the specificity of Anti-Adalimumab Antibody (AY19) (Cat. No. ADB-Y19) to the adalimumab.



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.

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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

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