

Anti-Adalimumab Antibody (AY23b) (recommended for PK/PD)

Catalog # ADB-Y23b



Source

Anti-Adalimumab Antibody (AY23b) is a Mouse monoclonal antibody recombinantly expressed from HEK293 cells.

Clone

AY23b

Species

Mouse

Isotype

Mouse IgG1/kappa

Antibody Type

Recombinant Monoclonal

Reactivity

Human

Immunogen

Adalimumab.

Specificity

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

Application

Application	Recommended Usage
ELISA	0.2-100 ng/mL

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Purification

Protein A purified/ Protein G purified

Formulation

Lyophilized from 0.22 μ m filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM 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

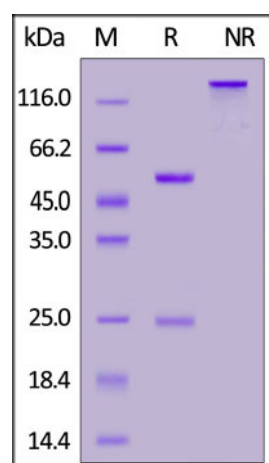
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

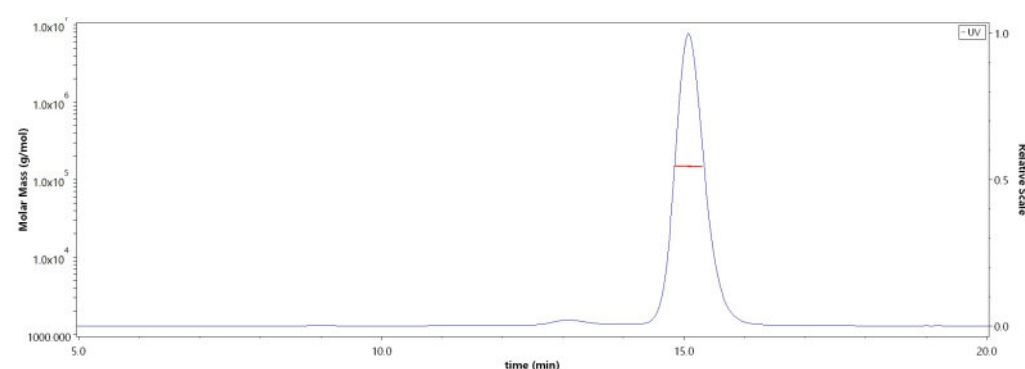
- $4-8^{\circ}\text{C}$ for 12 months in lyophilized state;
- -70°C for 12 months under sterile conditions after reconstitution.

SDS-PAGE



Anti-Adalimumab Antibody (AY23b) on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained with Coomassie Blue. The

SEC-MALS



The purity of Anti-Adalimumab Antibody (AY23b) (Cat. No. ADB-Y23b) is more than 90% and the molecular weight of this protein is around 135-160 kDa

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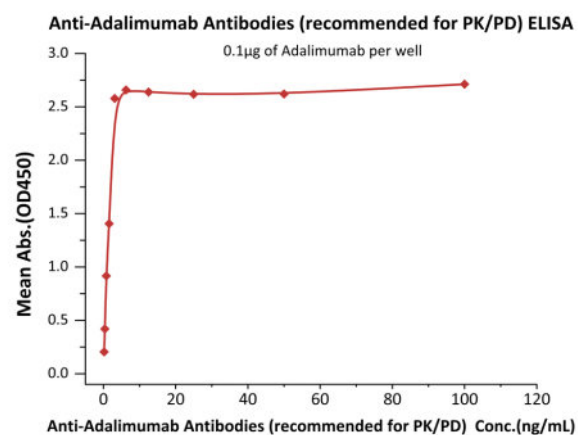
BIOSYSTEMS
Acro

purity of the protein is greater than 95%.

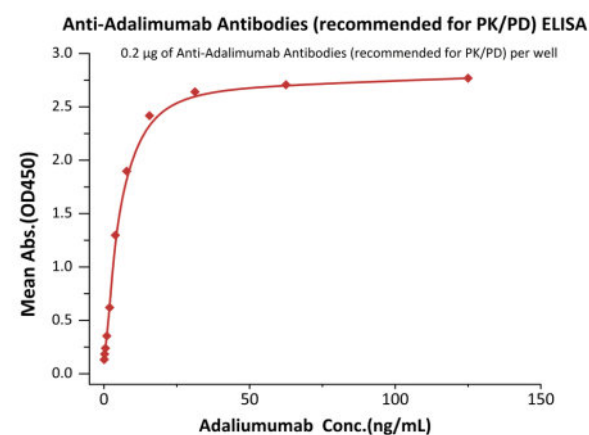
verified by SEC-MALS.

[Report](#)

Bioactivity-ELISA



Immobilized Adalimumab at 1 µg/mL (100 µL/well) can bind Anti-Adalimumab Antibody (AY23b) (Cat. No. ADB-Y23b) with a linear range of 0.2-3 ng/mL (QC tested).



Immobilized Anti-Adalimumab Antibody (AY23b) (Cat. No. ADB-Y23b) at 2 µg/mL, add increasing concentrations of Adalimumab and then add Biotinylated Anti-Adalimumab Antibody (AY17) at 2 µg/mL. Detection was performed using HRP-conjugated streptavidin with sensitivity of 4 ng/mL (QC tested).

Background

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

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8/13/2024