

**Source**

Biotinylated Anti-Adalimumab Antibody (22E7A4A2) (ADB-BY17c) is a monoclonal antibody recombinantly expressed from human 293 cells (HEK293). The 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 ADA.

**Isotype**

Mouse IgG1/kappa

**Specificity**

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

**Labeling**

*The primary amines in the side chains of lysine residues and the N-terminus of the protein are conjugated with biotins using standard chemical labeling method. A specially optimized long-spacer biotin reagent (13.5 angstroms) is used in this product to minimize potential steric hindrance.*

**Protein Ratio**

Passed as determined by the HABA assay / binding ELISA.

**Purity**

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 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**

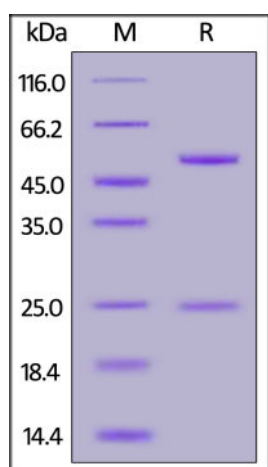
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

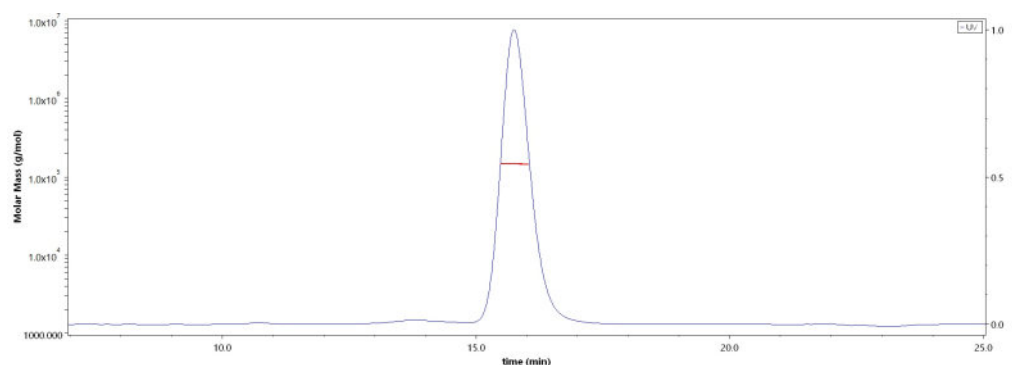
**SDS-PAGE**



Biotinylated Anti-Adalimumab Antibody (22E7A4A2) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

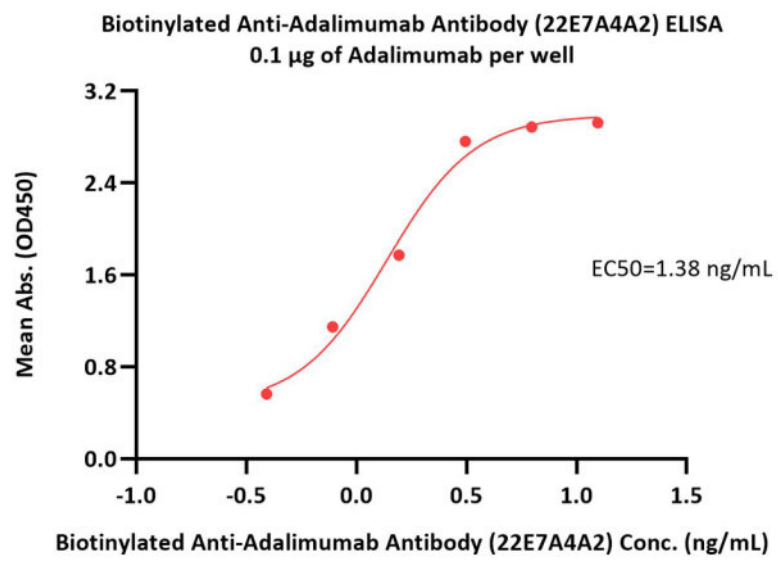
**Bioactivity-Elisa**

**SEC-MALS**



The purity of Biotinylated Anti-Adalimumab Antibody (22E7A4A2) (Cat. No. ADB-BY17c) is more than 90% and the molecular weight of this protein is around 135-155 kDa verified by SEC-MALS.

[Report](#)



Immobilized Adalimumab at 1 µg/mL (100 µL/well) can bind Biotinylated Anti-Adalimumab Antibody (22E7A4A2) (Cat. No. ADB-BY17c) with a linear range of 0.4-3 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.

### Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.