

Source

Monoclonal HRP-Anti His Antibodies(AY63) antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with His tag protein.

Isotype

Mouse IgG1 | Mouse Kappa

Specificity

This product is a specific antibody specifically reacts with His tag protein, and can recognizes C-terminal, N-terminal, and internal His tagged fusion proteins.

Application

WB 1:1000-1:10000 (0.05-0.5 µg/mL);
Elisa 1:3000-1:10000 (0.05-0.2 µg/mL);

Formulation

Lyophilized from 0.22 µm filtered solution in PBS,0.02% Proclin300,pH 7.4 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

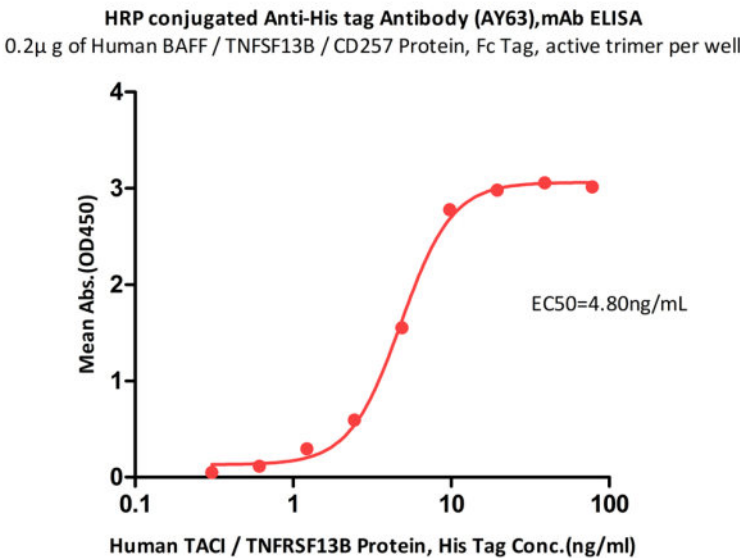
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

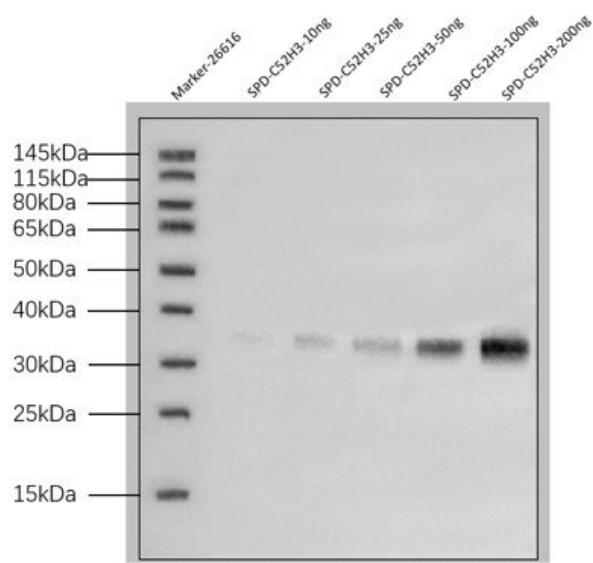
- 20°C to -70°C for 12 months in lyophilized state;
- 70 °C for 6 months after reconstitution;
- 2-8 °C for 2-3 weeks under sterile conditions after reconstitution.

Bioactivity-Elisa



Immobilized Human BAFF Protein, Fc Tag (Cat. No. BAF-H5261) at 2 µg/mL (100 µL/well) can bind Human TACI Protein, His Tag (Cat. No. TAI-H52H3) when detected by HRP conjugated Anti-His tag Antibody (AY63), mAb (Cat. No. HIS-LY63) dilute at 1:5000(0.108µg/ml)(QC tested).

Western Blot



HRP conjugated Anti-His Tag Antibody (AY63), mAb(HIS-LY63) in WB Western blot was performed using HRP conjugated Anti-His Tag Antibody (HIS-LY63)by loading SARS-CoV-2 (COVID-19) S protein RBD, His Tag(SPD-C52H3):10-200ng were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel. SARS-CoV-2 (COVID-19) S protein RBD, His Tag(SPD-C52H3) were transferred onto a pvdf membrane by Tanon Trans-Blot. HRP conjugated Anti-His Tag Antibody is primary antibody (0.05ug/ml)detected by chemiluminescence with using the iBright 1500 (Chemiluminescent detection was performed using BeyoECL Plus).

Background

His tag is a very small molecular weight tag, usually composed of 6-10 histidine (His). It is one of the commonly used tags for protein purification and detection. Due to its small molecular weight, fusion into the target protein has almost no effect on the structure and characteristics of the protein. Anti-his tag antibody can accurately detect, locate and purify His tag fusion protein, so as to provide convenience for the vast number of researchers.

Clinical and Translational Updates

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