Monoclonal Anti-His Tag Antibody, Mouse IgG1 (AY63)

Catalog # HIS-AY63

Source

Monoclonal Anti-His Tag Antibody,Mouse IgG1 (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

ELISA

Purity

>95% as determined by SDS-PAGE.

Endotoxin

Less than 1.0 EU per mg by the LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS,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

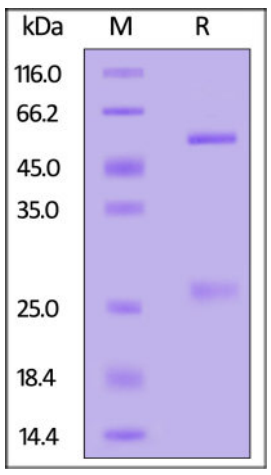
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

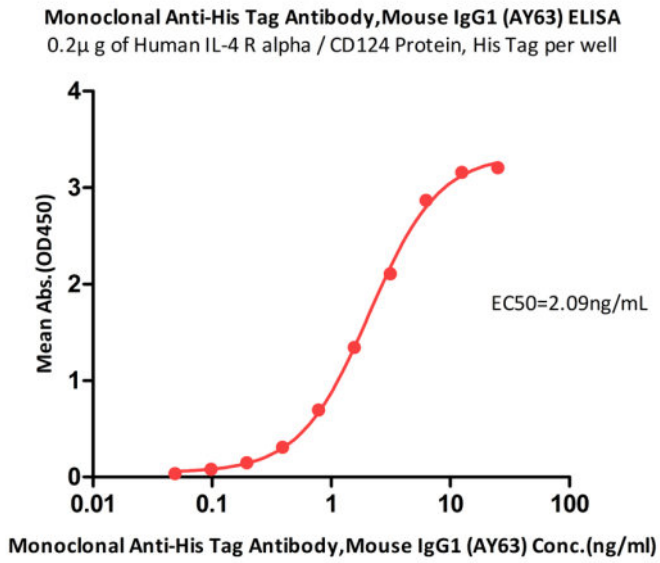
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Monoclonal Anti-His Tag Antibody, Mouse IgG1 (AY63) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-Elisa



Immobilized Human IL-4 R alpha Protein, His Tag (Cat. No. ILR-H5221) at 2 μg/mL (100 μL/well) can bind Monoclonal Anti-His Tag Antibody, Mouse IgG1 (AY63) (Cat. No. HIS-AY63) with a linear range of 0.20-3.13 ng/mL (QC tested)

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.