

Human CD72 Protein, His Tag (MALS verified)

Catalog # CD2-H52H3



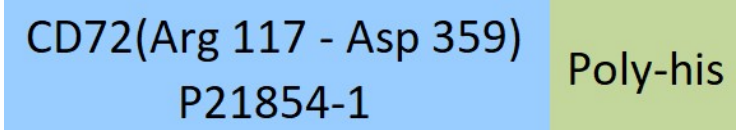
Synonym

CD72, Lyb-2, Lyb2

Source

Human CD72, His Tag(CD2-H52H3) is expressed from human 293 cells (HEK293). It contains AA Arg 117 - Asp 359 (Accession # [P21854-1](#)).
Predicted N-terminus: Arg 117

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.
The protein has a calculated MW of 30.0 kDa. The protein migrates as 30-35 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

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

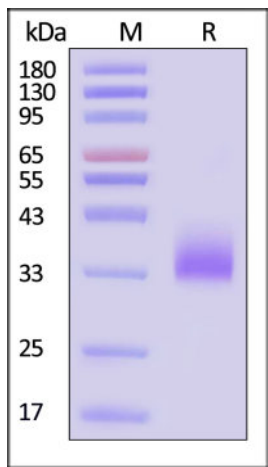
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

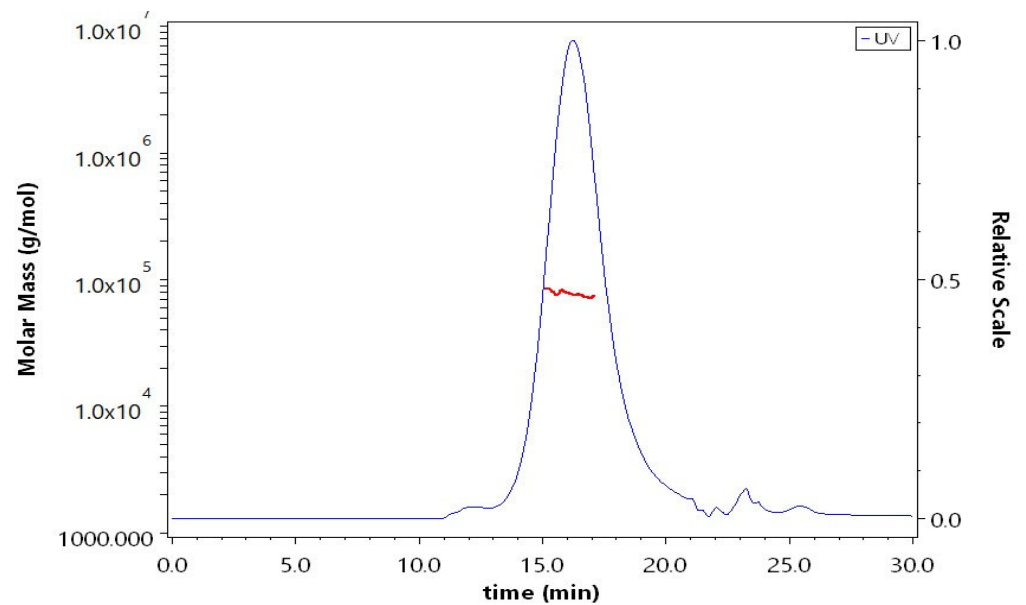
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human CD72, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human CD72, His Tag (Cat. No. CD2-H52H3) is more than 85% and the molecular weight of this protein is around 65-85 kDa verified by SEC-MALS.

[Report](#)

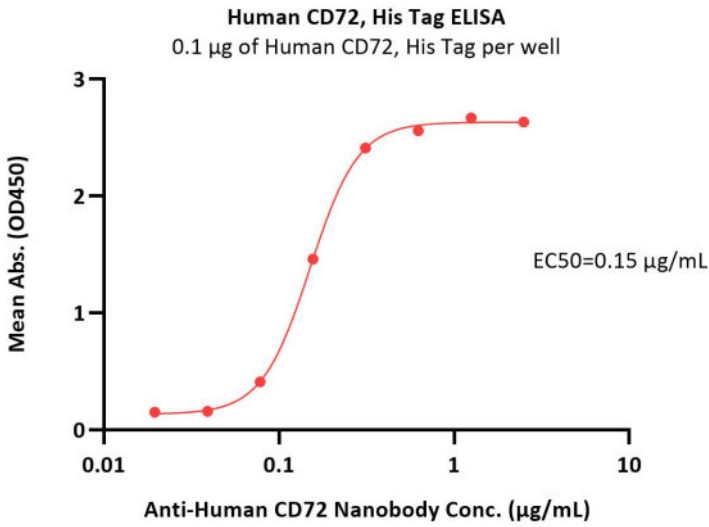
Bioactivity-ELISA

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Immobilized Human CD72, His Tag (Cat. No. CD2-H52H3) at 1 µg/mL, add increasing concentrations of Anti-Human CD72 Nanobody and then add Anti-Camelid VHH antibody at 1 µg/mL. Detection was performed using Peroxidase AffiniPure Goat Anti-Mouse IgG, Fcγ fragment specific (min X Hu, Bov, Hrs Sr Prot) with sensitivity of 0.15 µg/mL (Routinely tested).

Background

B-cell differentiation antigen CD72 is also known as Lyb-2. CD72 contains one C-type lectin domain. CD72 is a protein active in the immune system of animals. CD72 consists of two identical halves, each of about 39-43 kD, and is a C-type lectin. Its primarily locus of expression is B-cells, where it appears to mediate aspects of B-cell - T-cell interaction. CD72 plays a role in B-cell proliferation and differentiation. CD72 is a ligand for CD5.

