



Synonym

CD72, Lyb-2, Lyb2

Source

Biotinylated Human CD72, His,Avitag(CD2-H82E3) is expressed from human 293 cells (HEK293). It contains AA Arg 117 - Asp 359 (Accession # [P21854-1](#)). Predicted N-terminus: Arg 117

Molecular Characterization

CD72(Arg 117 - Asp 359)	Poly-his	Avi
P21854-1		

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 31.7 kDa. The protein migrates as 34-38 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

The protein is designed as a dimer.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

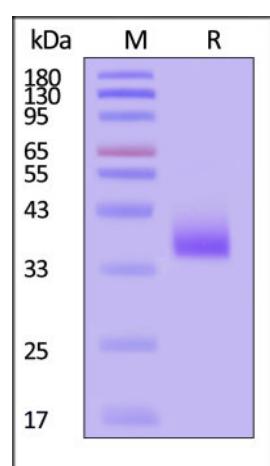
Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per μ g by the LAL method / rFC method.

SDS-PAGE



Biotinylated Human CD72, His,Avitag 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](#)).

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μ m 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

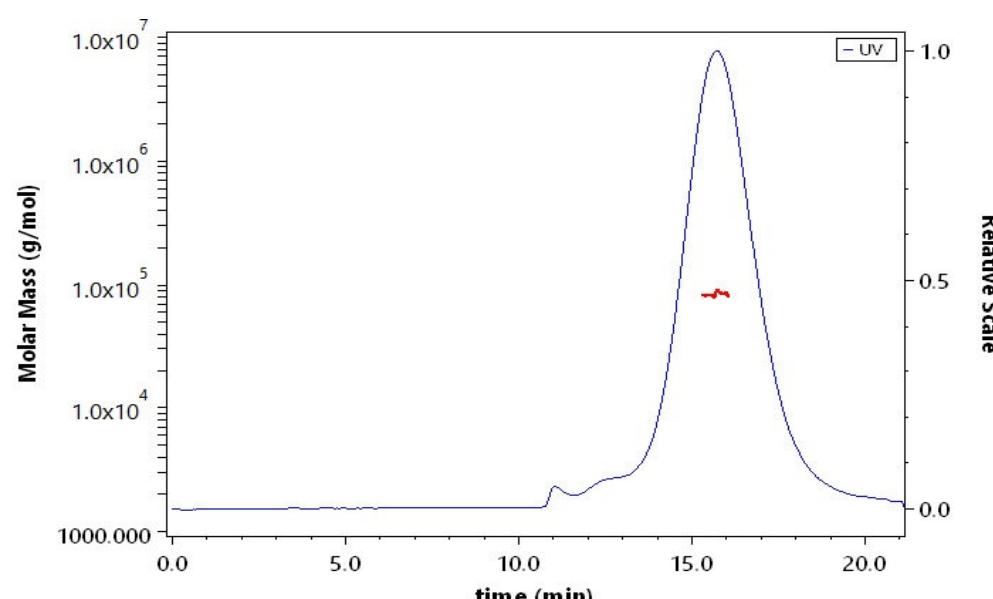
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

SEC-MALS



The purity of Biotinylated Human CD72, His,Avitag (Cat. No. CD2-H82E3) is more than 95% and the molecular weight of this protein is around 75-100 kDa verified by SEC-MALS.

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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.

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