Human CD72 Protein, Fc Tag

Catalog # CD2-H5251

Synonym

CD72,Lyb-2,Lyb2

Source

Human CD72, Fc Tag(CD2-H5251) is expressed from human 293 cells (HEK293). It contains AA Arg 117 - Asp 359 (Accession # AAH30227). Predicted N-terminus: Arg 117

Molecular Characterization

CD72(Arg 117 - Asp 359) AAH30227	Fc(Glu 99 - Lys 330) P01857

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 54.2 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 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 50 mM Tris, 100 mM Glycine, pH7.5 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

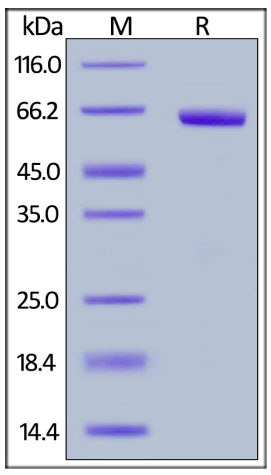
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

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.