Human CD72 Protein

Cat. No. CD7-HM172

Description

Source	Recombinant Human CD72 Protein is expressed from HEK293 with His tag at the N-Terminus.
	It contains Arg117-Asp359.
Accession	P21854
Molecular Weight	The protein has a predicted MW of 29.17 kDa. Due to glycosylation, the protein migrates to 32-40 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

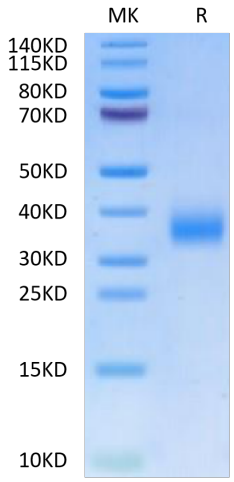
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD72 (originally Lyb-2), a 45 kDa type II transmembrane glycoprotein. CD72 belongs to the calcium-dependent C-type lectin superfamily and shares sequence homology with CD23 (the B-cell-specific low-affinity Fc receptor for IgE) and the asialoglycoprotein receptors. It is expressed as a disulfide-linked homodimer from the pro-B through the mature B-cell stage, but it is downregulated on terminally differentiated plasma cells.

Assay Data

Tris-Bis PAGE



Human CD72 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.