

Biotinylated Human CD5 Protein, Ultra Low Endotoxin

Cat. No. CD5-HM401B-UL

Description

Source	Recombinant Biotinylated Human CD5 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Arg25-Pro372.
Accession	P06127
Molecular Weight	The protein has a predicted MW of 41.54 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

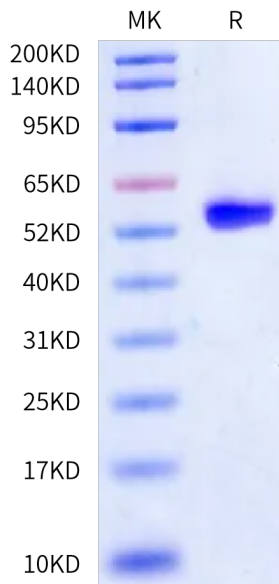
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD5: a type I transmembrane protein found on T cells, thymocytes, and some B cells that is a ligand for CD72 and is involved in cellular activation or adhesion; expressed in B-cell chronic lymphocytic leukemia and T-cell lymphoma.

Assay Data

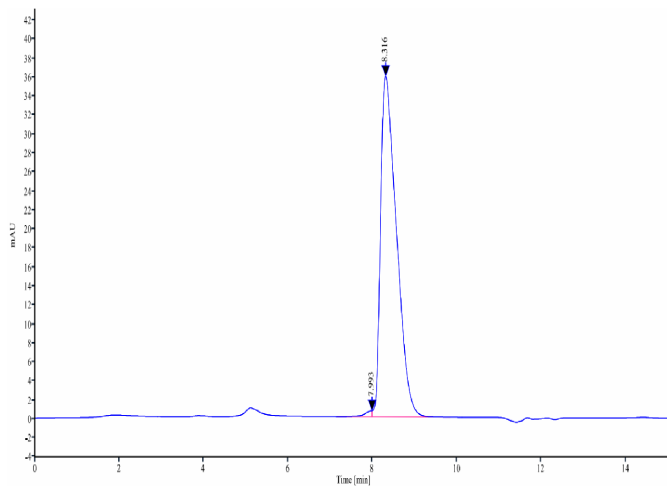
Bis-Tris PAGE



Biotinylated Human CD5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

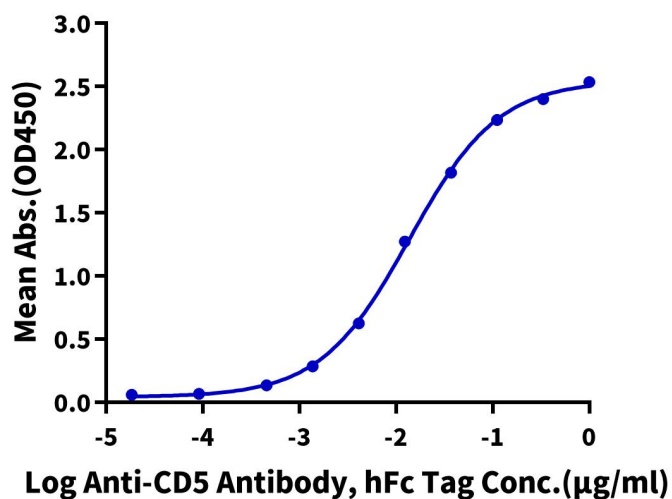


The purity of Biotinylated Human CD5 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human CD5, His Avi Tag ELISA

0.05µg Biotinylated Human CD5, His Avi Tag Per Well



Immobilized Biotinylated Human CD5, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD5 Antibody, hFc Tag with the EC50 of 13.8ng/ml determined by ELISA.