

Human CD5 Protein, Ultra Low Endotoxin



Cat. No. CD5-HM501-UL

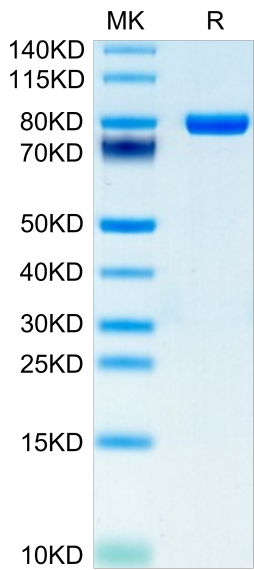
Description	
Source	Recombinant Human CD5 Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus. It contains Arg25-Asn371.
Accession	P06127
Molecular Weight	The protein has a predicted MW of 67.1 kDa. Due to glycosylation, the protein migrates to 75-82 kDa based on Bis-Tris PAGE 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 0.22µm 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

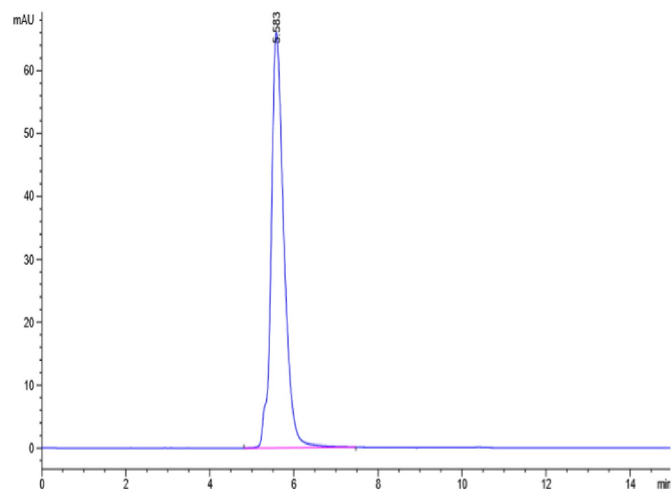
Bis-Tris PAGE



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

SEC-HPLC

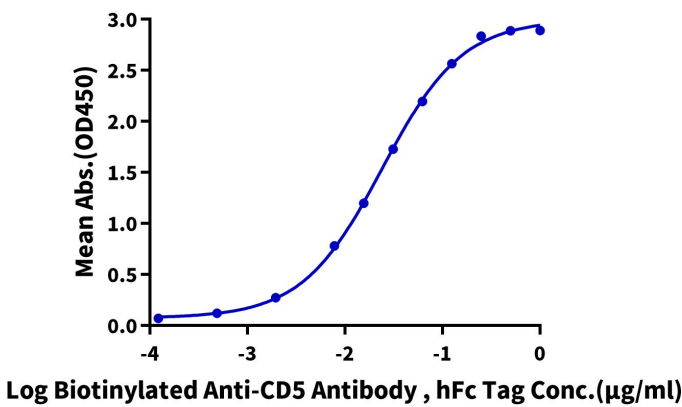
Assay Data



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

ELISA Data

Human CD5, hFc Tag ELISA
0.1µg Human CD5, hFc Tag Per Well



Immobilized Human CD5 at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-CD5 Antibody, hFc Tag with the EC50 24.0ng/ml determined by ELISA (QC Test).