

Human CD55 Protein, Ultra Low Endotoxin

Cat. No. CD5-HM105-UL



Description

Source	Recombinant Human CD55 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Asp35-Ser353.
Accession	P08174-1
Molecular Weight	The protein has a predicted MW of 35.8 kDa. Due to glycosylation, the protein migrates to 70-75 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

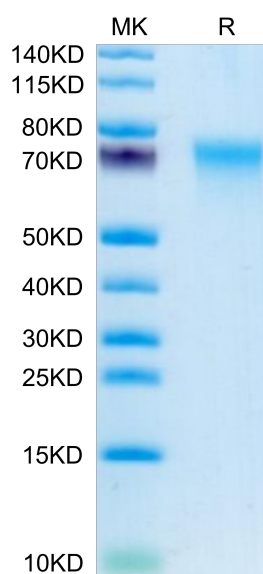
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 24 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

Decay Accelerating Factor (or CD55) is a major regulator of the alternative and classical pathways of complement activation and is expressed on all serum-exposed cells. It is commonly hijacked by invading pathogens, including many enteroviruses and uropathogenic Escherichia coli, to promote cellular attachment prior to infection.

Assay Data

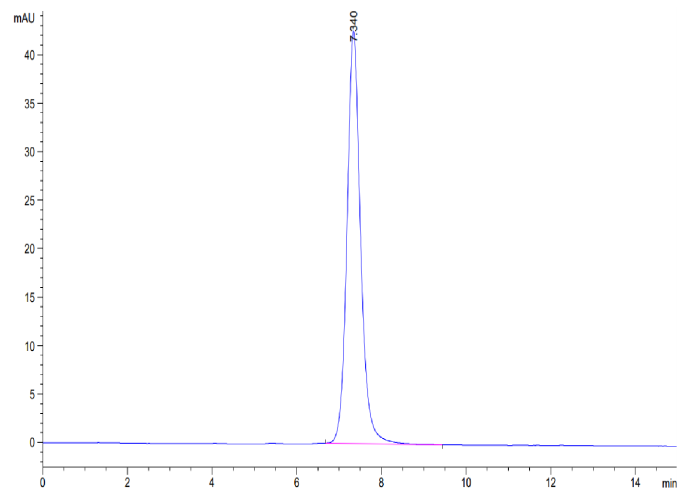
Bis-Tris PAGE



Human CD55 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

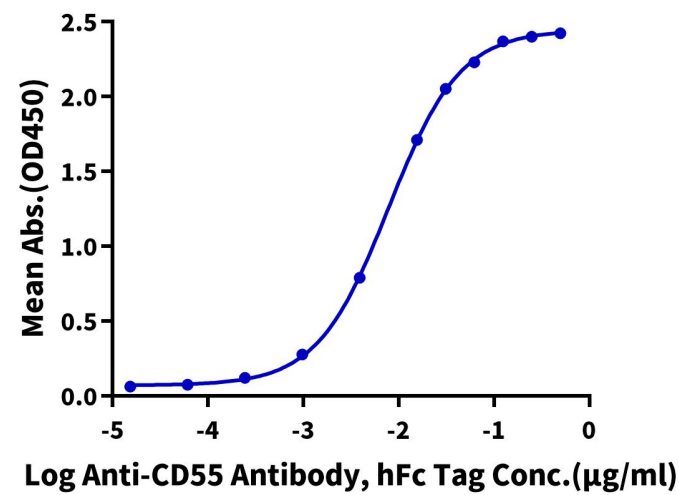
Assay Data



The purity of Human CD55 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD55, His Tag ELISA
0.05µg Human CD55, His Tag Per Well



Immobilized Human CD55, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD55 Antibody, hFc Tag with the EC50 of 7.9ng/ml determined by ELISA (QC Test).