

Cynomolgus CD55 Protein

Cat. No. CD5-CM105



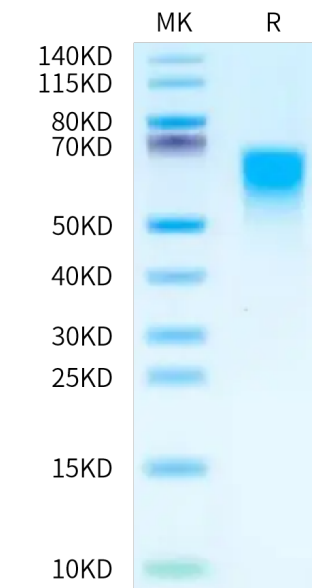
Description	
Source	Recombinant Cynomolgus CD55 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp36-Ser350.
Accession	A0A2K5X1Z6
Molecular Weight	The protein has a predicted MW of 35.5 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per ug 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	
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



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

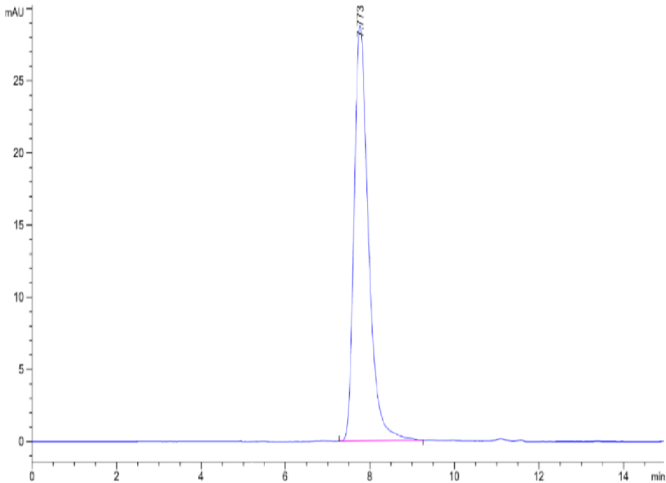
SEC-HPLC

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Assay Data

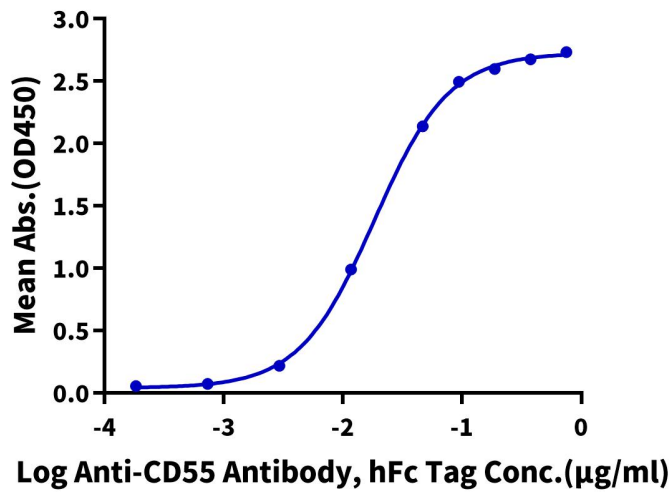


The purity of Cynomolgus CD55 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus CD55, His Tag ELISA

0.2µg Cynomolgus CD55, His Tag Per Well



Immobilized Cynomolgus CD55, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD55 Antibody, hFc Tag with the EC50 of 18.3ng/ml determined by ELISA.