

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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

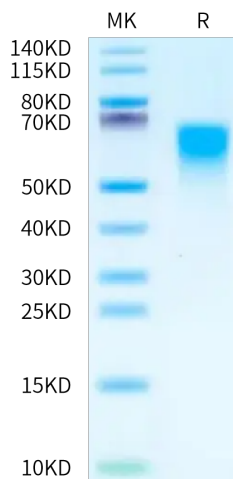
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months 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

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.

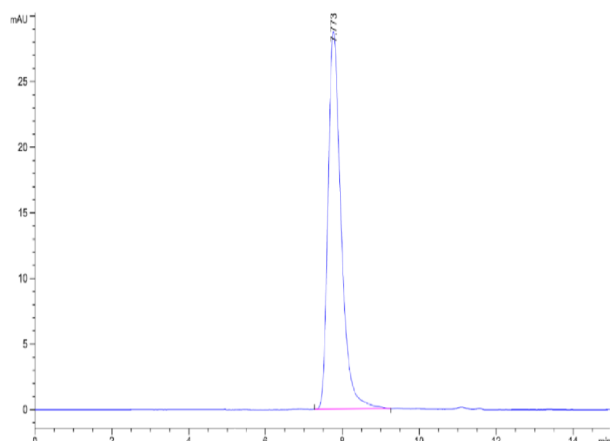
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



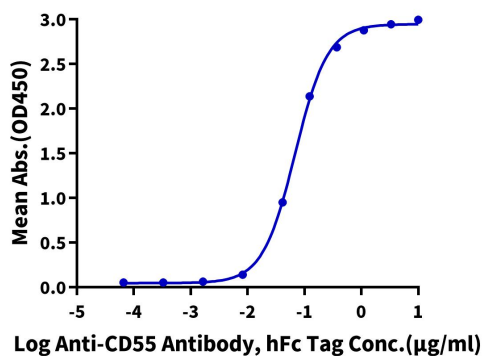
The purity of Cynomolgus CD55 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus CD55, His Tag ELISA

0.1µg Cynomolgus CD55, His Tag Per Well



Immobilized Cynomolgus CD55, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD55 Antibody, hFc Tag with the EC50 of 68.6ng/ml determined by ELISA.