

# Cynomolgus CD55 Protein

Cat. No. CD5-CM105



## Description

<b>Source</b>	Recombinant Cynomolgus CD55 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp36-Ser350.
<b>Accession</b>	A0A2K5X1Z6
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

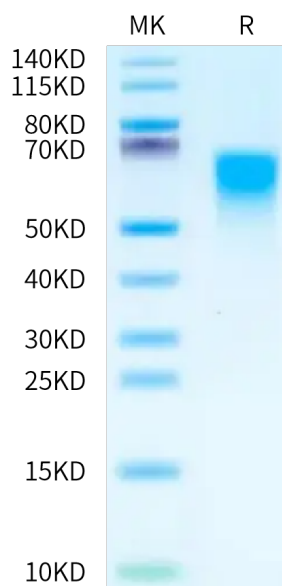
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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

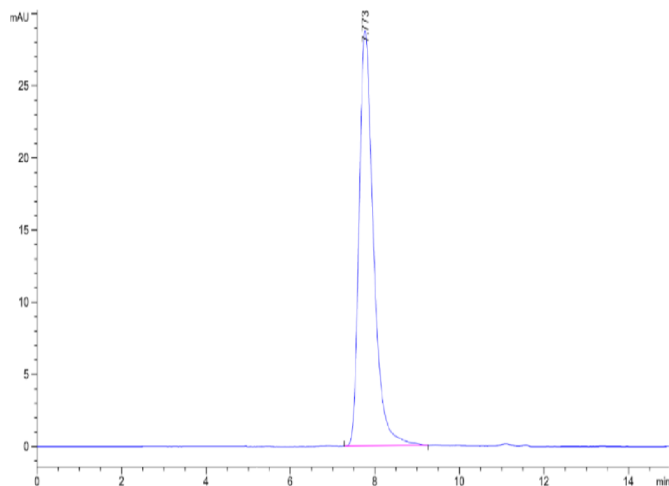
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data

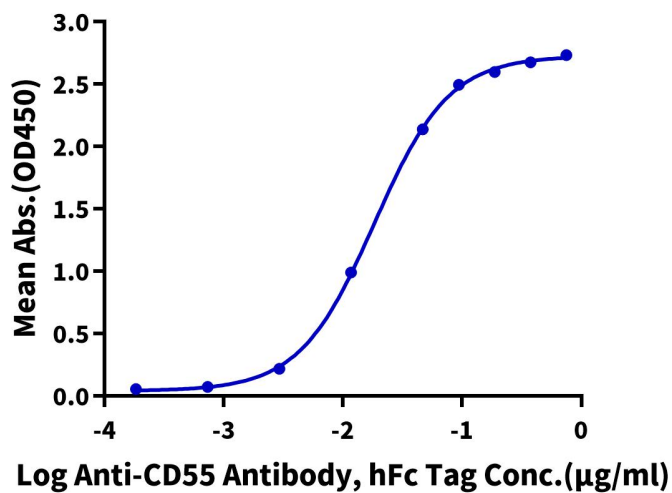


The purity of Cynomolgus CD55 is greater than 95% as determined by SEC-HPLC.

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.