

# Cynomolgus CD46 Protein

Cat. No. CD4-CM146



## Description

<b>Source</b>	Recombinant Cynomolgus CD46 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Cys35-Asp329.
<b>Accession</b>	A0A2K5WCS2
<b>Molecular Weight</b>	The protein has a predicted MW of 34.05 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

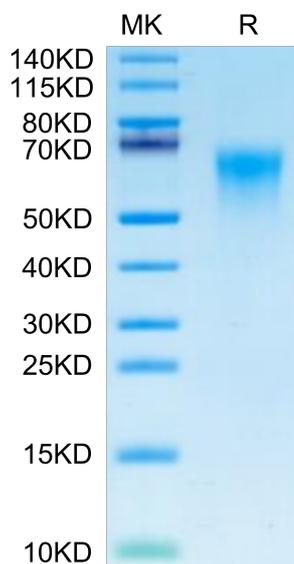
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

CD46 was discovered in 1986 during a search for novel C3b-binding proteins. CD46 is expressed ubiquitously and functions as a co-factor in the factor I-mediated proteolytic cleavage of C3b and C4b. Its vital role in preventing complement deposition on host tissue is underpinned by the fact that deficiency of CD46 is a predisposing factor for numerous disease conditions arising from complement-mediated 'self-attack'.

## Assay Data

### Bis-Tris PAGE



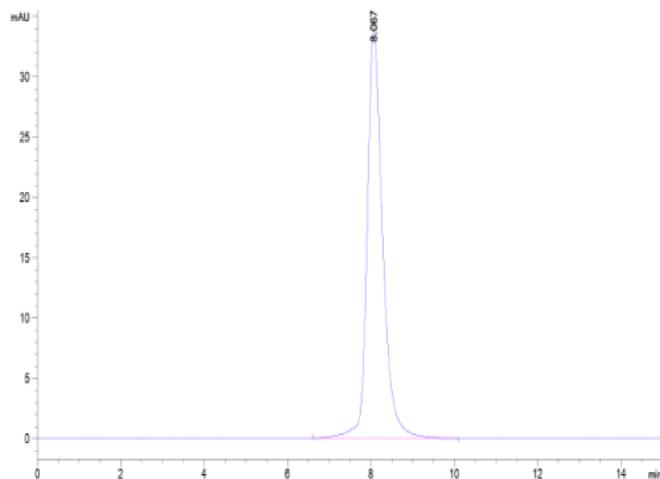
Cynomolgus CD46 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

# Cynomolgus CD46 Protein

Cat. No. CD4-CM146

## Assay Data

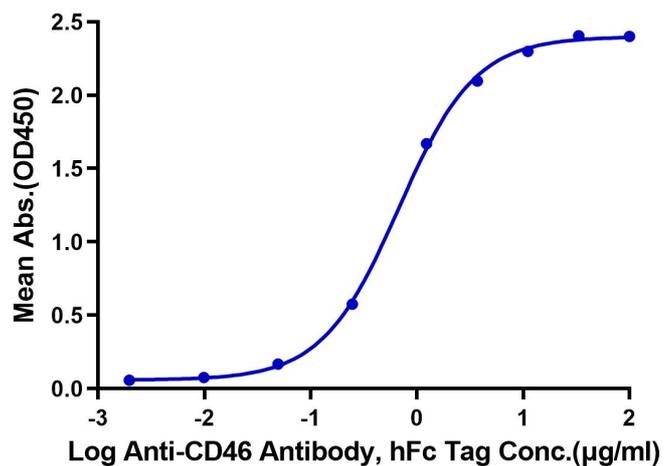


The purity of Cynomolgus CD46 is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Cynomolgus CD46, His Tag ELISA

0.2µg Cynomolgus CD46, His Tag Per Well



Immobilized Cynomolgus CD46, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD46 Antibody, hFc Tag with the EC50 of 0.67µg/ml determined by ELISA.