

Datasheet for ABIN7274175

CD46 Protein (CD46) (AA 35-329) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD46
Protein Characteristics:	AA 35-329
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD46 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus CD46 Protein
Sequence:	Cys35-Asp329
Characteristics:	Recombinant Cynomolgus CD46 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Cys35-Asp329.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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. See testing image for detail.

Target Details

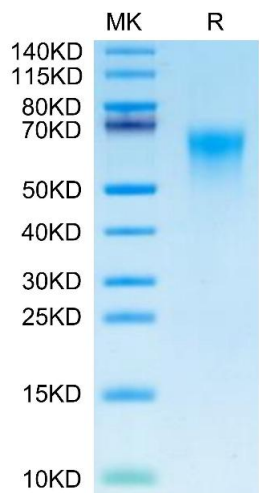
Target:	CD46
Alternative Name:	CD46 (CD46 Products)
Background:	CD46 was discovered in 1986 during a search for novel C3b-binding proteins. CD46 is expressed ubiquitously and functions as a co-factor in the factor I-mediated proteolytic cleavage of C3b and C4b. Its vital role in preventing complement 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'.
Molecular Weight:	34.05 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5WCS2
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Restrictions:	For Research Use only
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Handling

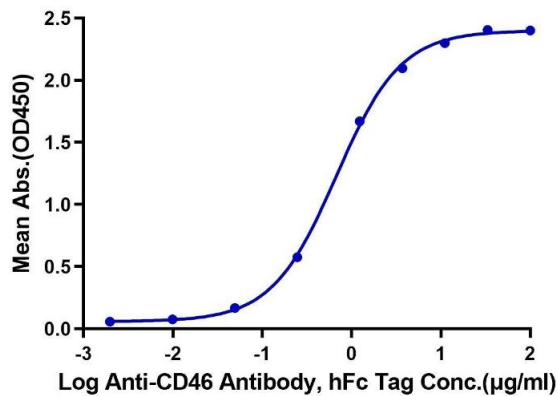
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months



SDS-PAGE

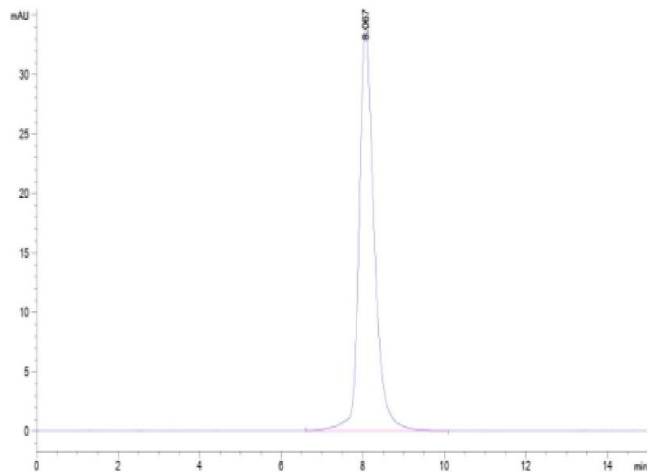
Image 1. Cynomolgus CD46 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Cynomolgus CD46, His Tag ELISA
0.2µg Cynomolgus CD46, His Tag Per Well



ELISA

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Cynomolgus CD46 is greater than 95 % as determined by SEC-HPLC.