



[Go to Product page](#)

Datasheet for ABIN7274176

CD46 Protein (CD46) (AA 45-344) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	CD46
Protein Characteristics:	AA 45-344
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD46 protein is labelled with His tag.

Product Details

Purpose:	Canine CD46 Protein
Sequence:	Cys45-Gly344
Characteristics:	Recombinant Canine CD46 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Cys45-Gly344.
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.

Target Details

Target:	CD46
Alternative Name:	CD46 (CD46 Products)

Target Details

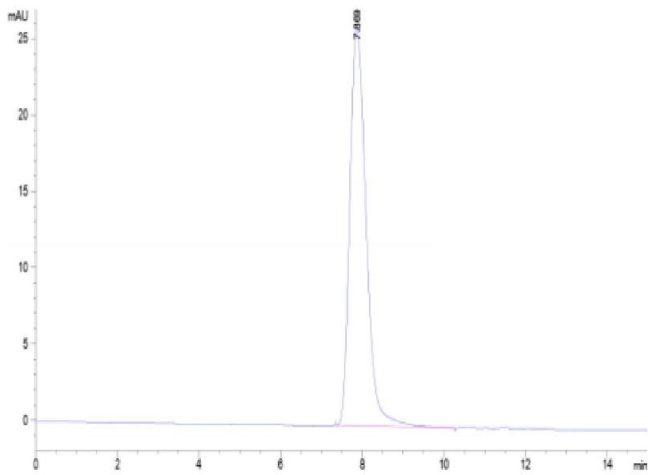
Background:	CD46 was discovered in 1986 during a search for novel C3b-binding proteins. CD46 is expressed ubiquitously and functions as a co-factor in the factor I-mediated proteolytic cleavage of C3b and C4b. Its vital role in preventing complement deposition on host tissue is underpinned by the fact that deficiency of CD46 is a predisposing factor for numerous disease conditions arising from complement-mediated 'self-attack'.
Molecular Weight:	34.11 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
UniProt:	A0A8C0YZN5
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

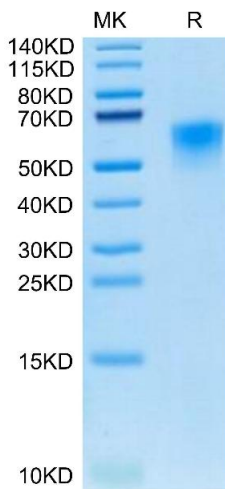
Handling

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Canine CD46 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Canine CD46 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .