

Datasheet for ABIN7274264

CD96 Protein (CD96) (AA 22-503) (His tag)

5 Images

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Overview

Quantity:	100 µg
Target:	CD96
Protein Characteristics:	AA 22-503
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD96 protein is labelled with His tag.

Product Details

Purpose:	Human CD96/TACTILE Protein
Sequence:	Val22-Met503
Characteristics:	Recombinant Human CD96/TACTILE Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val22-Met503.
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 Human CD96, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD96 Antibody, hFc Tag with the EC50 of 0.30µg/ml determined by ELISA. The affinity constant of 0.958 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	CD96
Alternative Name:	CD96 (CD96 Products)
Background:	The receptors CD96 and TIGIT are expressed on the surface of T and natural killer (NK) cells, and recent studies suggest both play important inhibitory roles in immune function. CD96 has been shown to modulate immune cell activity in mice, with Cd96 ^{-/-} mice displaying hypersensitive NK-cell responses to immune challenge and significant tumor resistance. The counterbalance between the putative inhibitory CD96 and TIGIT receptors and the activating receptor, CD226, offers unique strategies for immuno-oncology drug development.
Molecular Weight:	54.7 kDa. Due to glycosylation, the protein migrates to 115-130 kDa based on Tris-Bis PAGE result.

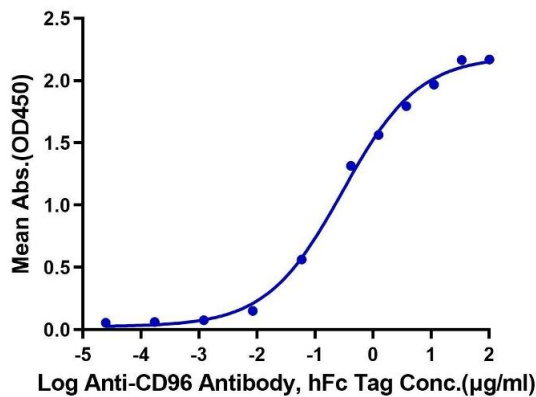
Application Details

Restrictions:	For Research Use only
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Handling

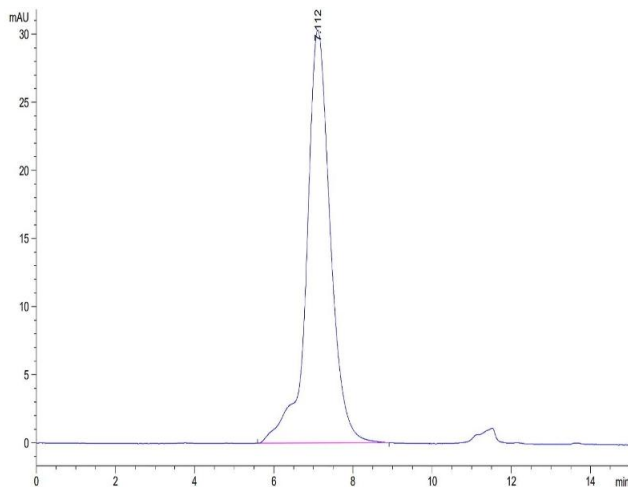
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

Human CD96, His Tag ELISA
0.5µg Human CD96, His Tag Per Well



ELISA

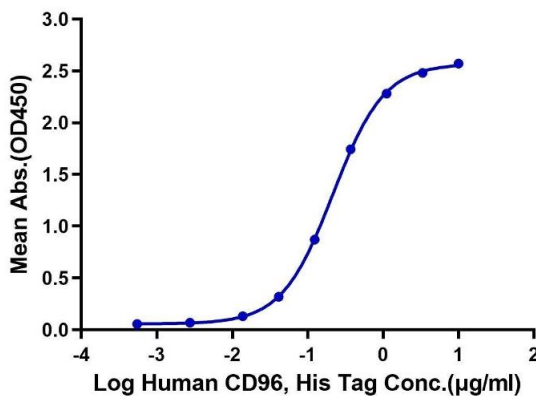
Image 1. Immobilized Human CD96, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CD96 Antibody, hFc Tag with the EC50 of 0.30 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD96 is greater than 95 % as determined by SEC-HPLC.

Human CD96, His Tag ELISA
0.05µg Anti-CD96 Antibody, hFc Tag Per Well



ELISA

Image 3. Immobilized Anti-CD96 Antibody, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Human CD96, His Tag with the EC50 of 0.22 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274264.