

Datasheet for ABIN7274270

CD96 Protein (CD96) (AA 22-503) (mFc Tag)**3** Images[Go to Product page](#)

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 mFc Tag.

Product Details

Purpose:	Human CD96/TACTILE Protein
Sequence:	Val22-Met503
Characteristics:	Recombinant Human CD96/TACTILE Protein is expressed from HEK293 with mFc (IgG1) 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, mFc Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human CD155, hFc Tag with the EC50 of 0.21µg/ml determined by ELISA. See testing image for detail.

Target Details

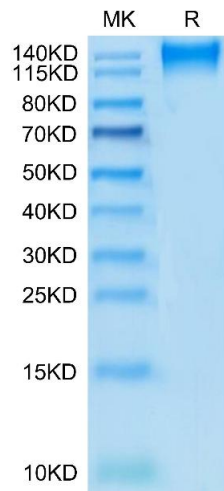
Target:	CD96
Alternative Name:	CD96 (CD96 Products)
Background:	The receptors CD96 and TIGIT are expressed on the surface of T and natural killer (NK) cells, and recent studies suggest both play important inhibitory roles in immune function. CD96 has been shown to modulate immune cell activity in mice, 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:	79.8 kDa. Due to glycosylation, the protein migrates to 120-160 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

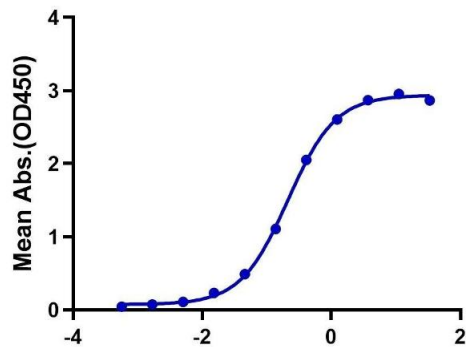
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant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



SDS-PAGE

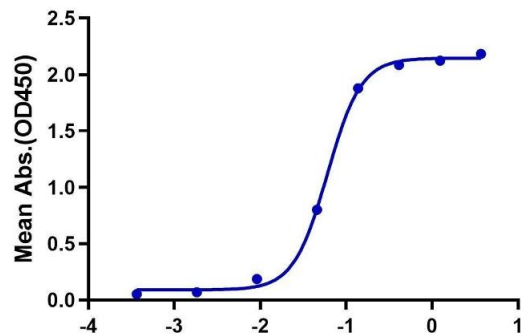
Image 1. Human CD96 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human CD96/TACTILE, mFc Tag ELISA
0.5µg Human CD96, mFc Tag Per Well



Log Human CD155, hFc Tag Conc.(µg/ml)

Human CD96/TACTILE, mFc Tag ELISA
0.5µg Human CD96, mFc Tag Per Well



Log Anti-CD96 Antibody, hFc Tag Conc.(µg/ml)

ELISA

Image 2. Immobilized Human CD96, mFc Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human CD155, hFc Tag with the EC50 of 0.21 µg/mL determined by ELISA.

ELISA

Image 3. Immobilized Human CD96, mFc Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-CD96 Antibody, hFc Tag with the EC50 of 60.2 ng/mL determined by ELISA.