

Datasheet for ABIN7274274

CD96 Protein (CD96) (AA 22-503) (His-Avi Tag,Biotin)[Go to Product page](#)**2** Images

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-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human CD96/TACTILE Protein
Sequence:	Val22-Met503
Characteristics:	Recombinant Biotinylated Human CD96/TACTILE Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Val22-Met503.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Anti-CD96 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD96, His Tag with the EC50 of 0.55ug/ml determined by ELISA. See testing image for detail.

Target Details

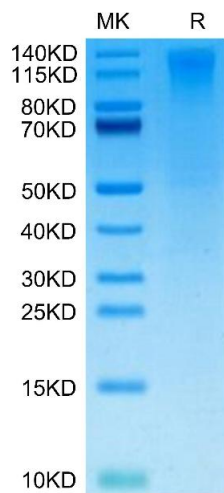
Target:	CD96
Alternative Name:	CD96 (CD96 Products)
Background:	The receptors CD96 and TIGIT are expressed on the surface of T and natural killer (NK) cells, and recent studies suggest both play important inhibitory roles in immune function. CD96 has been shown to modulate immune cell activity in mice, 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:	59.1 kDa. Due to glycosylation, the protein migrates to 115-140 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

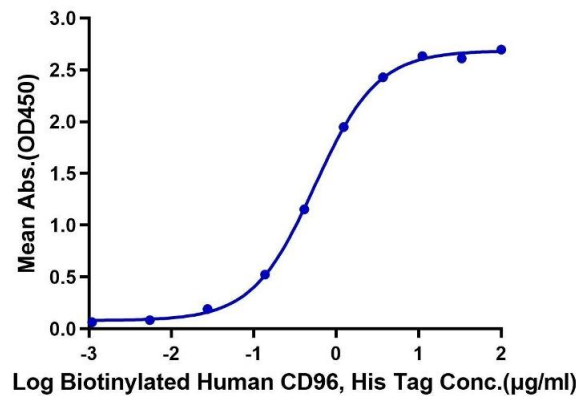
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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. Biotinylated Human CD96 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Biotinylated Human CD96, His Tag ELISA
0.1µg Anti-CD96 Antibody, hFc Tag Per Well



ELISA

Image 2. Immobilized Anti-CD96 Antibody, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human CD96, His Tag with the EC50 of 0.55 µg/mL determined by ELISA.