

Datasheet for ABIN7274292

CDCP1 Protein (AA 29-667) (His-Avi Tag,Biotin)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CDCP1
Protein Characteristics:	AA 29-667
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDCP1 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Cynomolgus CDCP1 Protein
Sequence:	Ala29-Thr667
Characteristics:	Recombinant Biotinylated Cynomolgus CDCP1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ala29-Thr667.
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 Anti-CDCP1 Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Cynomolgus CDCP1, His Tag with the EC50 of 0.16ug/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CDCP1
Alternative Name:	CDCP-1 (CDCP1 Products)
Background:	Tumor metastasis depends on the dynamic regulation of cell adhesion through β 1-integrin. The Cub-Domain Containing Protein-1, CDCP1, is a transmembrane glycoprotein which regulates cell adhesion. Overexpression and loss of CDCP1 have been observed in the same cancer types to promote metastatic progression.
Molecular Weight:	75 kDa. Due to glycosylation, the protein migrates to 90-115 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_001114659

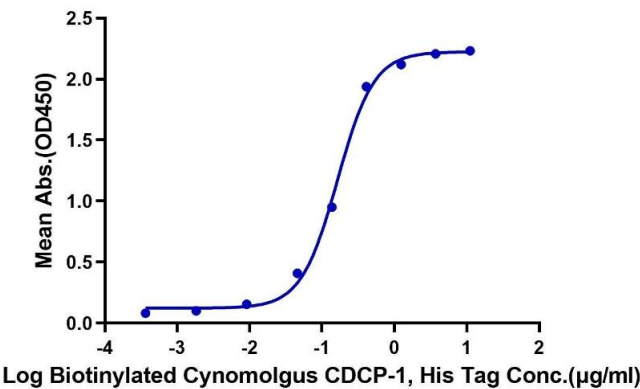
Application Details

Restrictions:	For Research Use only
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Handling

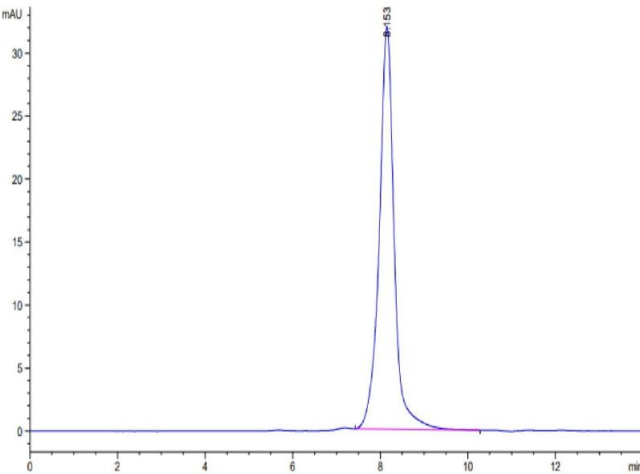
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant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

Biotinylated Cynomolgus CDCP-1, His Tag ELISA
0.2µg Anti-CDCP1 Antibody, hFc Tag Per Well



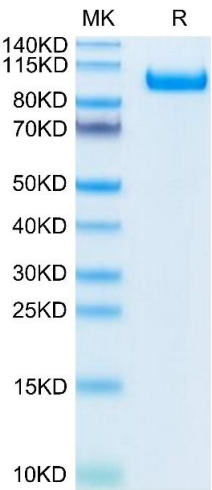
ELISA

Image 1. Immobilized Anti-CDCP1 Antibody, hFc Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Cynomolgus CDCP-1, His Tag with the EC50 of 0.16 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Cynomolgus CDCP-1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Cynomolgus CDCP-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.