Biotinylated Cynomolgus CDCP1 Protein

Cat. No. CDC-CM402B

Description

Source	Recombinant Biotinylated Cynomolgus CDCP1 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Phe30-Thr667.
Accession	XP_005546930.3
Molecular Weight	The protein has a predicted MW of 75.22 kDa. Due to glycosylation, the protein migrates to 110-130 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

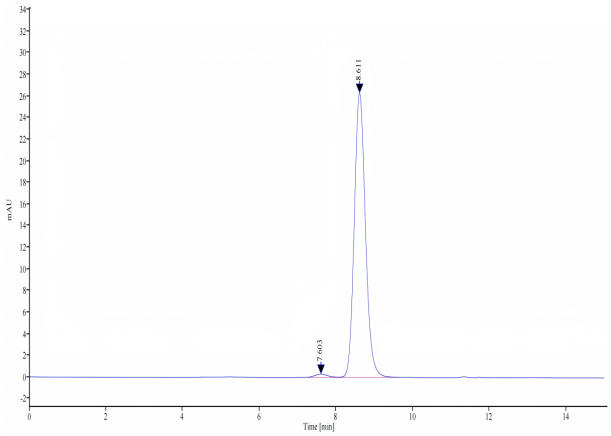
Tumor metastasis depends on the dynamic regulation of cell adhesion through β1-integrin. The Cub-Domain Containing Protein-1, CDCP1, is a transmembrane glycoprotein which regulates cell adhesion. Overexpression and loss of CDCP1 have been observed in the same cancer types to promote metastatic progression.

Assay Data

Bis-Tris PAGE

Biotinylated Cynomolgus CDCP1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Cynomolgus CDCP1 is greater than 90% as determined by SEC-HPLC.

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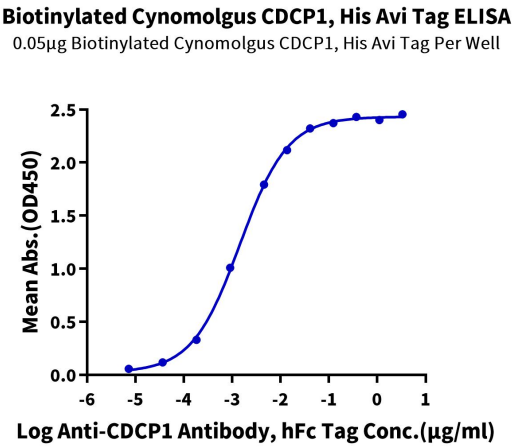
Assay Data

ELISA Data



Immobilized Biotinylated Cynomolgus CDCP1, His Avi Tag at 0.5μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-CDCP1 Antibody, hFc Tag with the EC50 of 1.4ng/ml determined by ELISA.