



[Go to Product page](#)

Datasheet for ABIN7274186

CD40 Protein (CD40) (AA 21-193) (His-Avi Tag,Biotin)

5 Images

Overview

Quantity:	100 µg
Target:	CD40
Protein Characteristics:	AA 21-193
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD40 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human CD40/TNFRSF5 Protein
Sequence:	Glu21-Arg193
Characteristics:	Recombinant Biotinylated Human CD40/TNFRSF5 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Glu21-Arg193.
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 Biotinylated Human CD40, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human CD40L, hFc Tag with the EC50 of 33ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD40
Alternative Name:	CD40 (CD40 Products)
Background:	CD40 is a costimulatory protein found on antigen presenting cells and is required for their activation. The binding of CD154 (CD40L) on TH cells to CD40 activates antigen presenting cells and induces a variety of downstream effects. CD40 Molecule is a potential target for cancer immunotherapy. There are number of completed and ongoing clinical trials where agonistic anti-CD40 monoclonal antibodies are employed to activate an anti-tumor T cell response via activation of dendritic cells.
Molecular Weight:	22.1 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
UniProt:	P25942
Pathways:	NF-kappaB Signaling , Cellular Response to Molecule of Bacterial Origin , M Phase , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

Application Details

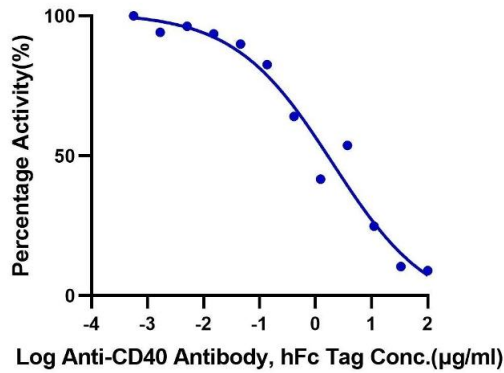
Restrictions: For Research Use only

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

Inhibition of Human CD40 Ligand (Trimer) and CD40 Binding

0.5µg Human CD40 Ligand (Trimer), hFc Tag Per Well

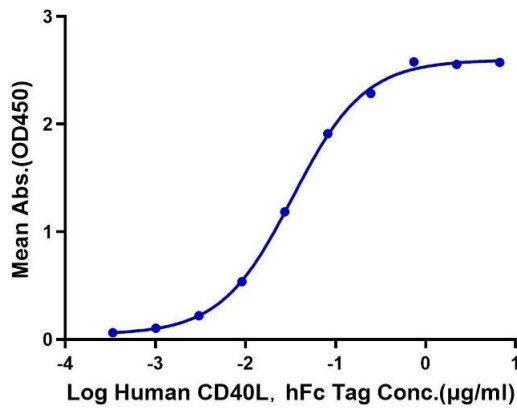


Binding Studies

Image 1. Serial dilutions of Anti-CD40 Antibody were added into Biotinylated Human CD40, His Tag : Human CD40 Ligand (Trimer) , hFc Tag binding reactions. The half maximal inhibitory concentration (IC50) is 2.0 µg/mL.

Biotinylated Human CD40, His Tag ELISA

0.1µg Biotinylated Human CD40, His Tag Per Well

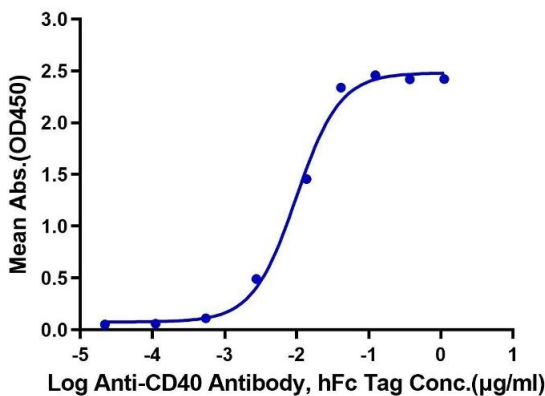


ELISA

Image 2. Immobilized Biotinylated Human CD40, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Human CD40L, hFc Tag with the EC50 of 33 ng/mL determined by ELISA.

Biotinylated Human CD40, His Tag ELISA

0.1µg Biotinylated Human CD40, His Tag Per Well



ELISA

Image 3. Immobilized Biotinylated Human CD40, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CD40 Antibody, hFc Tag with the EC50 of 9.9 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274186.