

Datasheet for ABIN7274323

CD70 Protein (Trimer) (His tag,Biotin)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD70
Protein Characteristics:	Trimer
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD70 protein is labelled with His tag,Biotin.

Product Details

Purpose:	Biotinylated Human CD27 Ligand/CD70 Trimer Protein (Primary Amine Labeling)
Sequence:	Leu50-Pro193
Characteristics:	Recombinant Biotinylated Human CD27 Ligand/CD70 Trimer Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the N-Terminus.It contains Leu50-Pro193.
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 CD27 Ligand (Trimer) , His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC50 67ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD70
Alternative Name:	CD27 Ligand (CD70 Products)
Background:	CD70, also named CD27 ligand (CD27L), is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and has been designated TNFSF7. CD70 is a cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells.
Molecular Weight:	51.8 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
Pathways:	Cancer Immune Checkpoints

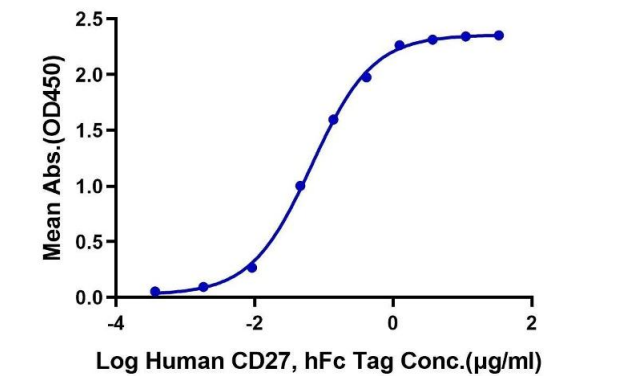
Application Details

Restrictions:	For Research Use only
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Handling

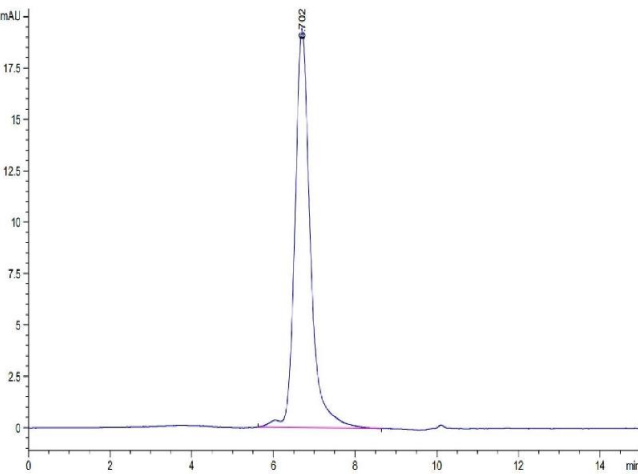
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant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

Biotinylated Human CD27 Ligand (Trimer), His Tag ELISA
0.2µg Biotinylated Human CD27 Ligand (Trimer), His Tag Per Well



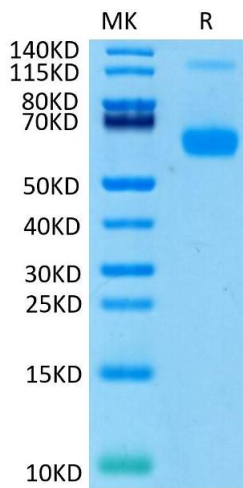
ELISA

Image 1. Immobilized Biotinylated Human CD27 Ligand (Trimer), His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC50 67 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human CD27 Ligand (Trimer) is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human CD27 Ligand (Trimer) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.