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## CD70 Protein (Trimer) (His tag)





#### 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.

#### **Product Details**

Sequence:	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 Human CD27 Ligand (Trimer) at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC50 of 63.8ng/ml determined by ELISA. See testing
	image for detail.

## **Target Details**

Target:	CD70
Alternative Name:	CD27 Ligand (CD70 Products)

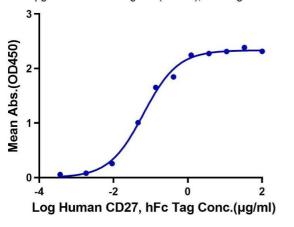
## **Target Details**

Expiry Date:

12 months

9	
Background:	CD70 Molecule, CD70, TNFSF7, CD27 Ligand, CD27-L, CD27LG, Ki-24 antigen, TNFSF7G,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 62-65 kDa based on Tris-Bis PAGE result.
Pathways:	Cancer Immune Checkpoints
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

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



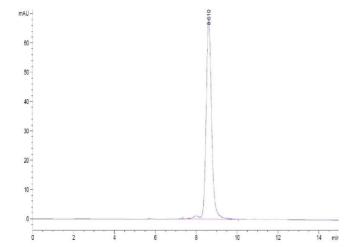
### **ELISA**

**Image 1.** Immobilized Human CD27 Ligand (Trimer) at 2  $\mu$  g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC50 of 63.8 ng/mL determined by ELISA.

## 140KD 115KD 80KD 70KD 50KD 40KD 30KD 25KD

#### **SDS-PAGE**

**Image 2.** Human CD27 Ligand Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



## Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Human CD27 Ligand Trimer is greater than 95 % as determined by SEC-HPLC.