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## CD70 Protein (AA 39-194) (His tag)

**Images** 



#### Overview

Quantity:	100 μg
Target:	CD70
Protein Characteristics:	AA 39-194
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD70 protein is labelled with His tag.

### **Product Details**

Purpose:	Cynomolgus CD27 Ligand/CD70 Protein
Sequence:	Gln39-Pro194
Characteristics:	Recombinant Cynomolgus CD27 Ligand/CD70 Protein is expressed from HEK293 with His tag at the N-Terminus.It contains Gln39-Pro194.
Purity:	> 95 % as determined by Tris-Bis PAGE,
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus CD27 Ligand, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Cynomolgus/Rhesus macaque CD27, hFc Tag with the EC50 of 41.5ng/ml determined by ELISA. See testing image for detail.

## **Target Details**

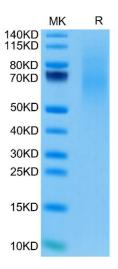
Target:	CD70
Alternative Name:	CD27 Ligand (CD70 Products)
Background:	CD70, also named CD27 ligand (CD27L), is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and has been designated TNFSF7. CD70 is a cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells.
Molecular Weight:	18.4 kDa. Due to glycosylation, the protein migrates to 60-90 kDa based on Tris-Bis PAGE result.
Pathways:	Cancer Immune Checkpoints

## **Application Details**

Restrictions: For Research Use only

## Handling

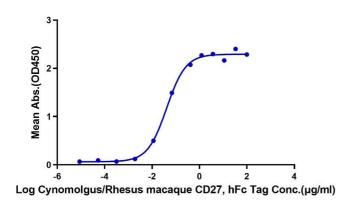
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from $0.22\mu m$ filtered solution in PBS ( pH $7.4$ ). Normally 8 % trehalose is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



#### **SDS-PAGE**

 $\label{lmage 1.} \mbox{ Cynomolgus CD27 Ligand/CD70 on Tris-Bis PAGE } \mbox{ under reduced condition. The purity is greater than 95 \% .}$ 

# Cynomolgus CD27 Ligand, His Tag ELISA 0.2µg Cynomolgus CD27 Ligand, His Tag Per Well



#### **ELISA**

**Image 2.** Immobilized Cynomolgus CD27 Ligand, His Tag at  $2 \mu g/mL$  (100  $\mu L/well$ ) on the plate. Dose response curve for Cynomolgus/Rhesus macaque CD27, hFc Tag with the EC50 of 41.5 ng/mL determined by ELISA.