

# Cynomolgus CD27 Ligand/CD70 Protein

Cat. No. CD7-CM170

## Description

<b>Source</b>	Recombinant Cynomolgus CD27 Ligand/CD70 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gln39-Pro194.
<b>Accession</b>	G7PYU6-1
<b>Molecular Weight</b>	The protein has a predicted MW of 18.4 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

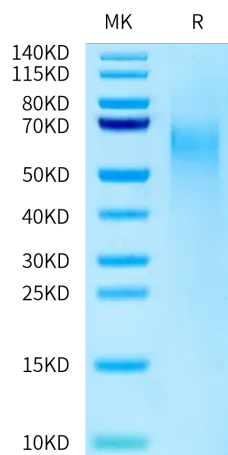
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

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.

## Assay Data

### Bis-Tris PAGE

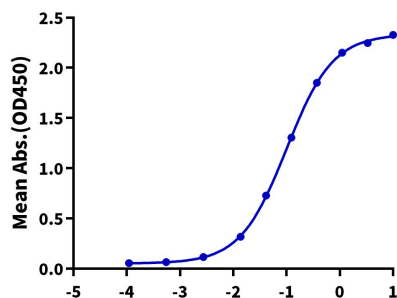


Cynomolgus CD27 Ligand on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Cynomolgus CD27 Ligand, His Tag ELISA

0.2µg Cynomolgus CD27 Ligand, His Tag Per Well



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 100.2ng/ml determined by ELISA (QC Test).