

Cynomolgus CD27 Ligand/CD70 Protein

Cat. No. CD7-CM170

Description

Source	Recombinant Cynomolgus CD27 Ligand/CD70 Protein is expressed from Expi293 with His tag at the N-terminal. It contains Gln39-Pro194.
Accession	G7PYU6-1
Molecular Weight	The protein has a predicted MW of 18.4 kDa. Due to glycosylation, the protein migrates to 60-90 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

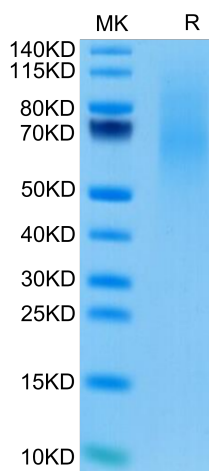
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended (usually we use 1mg/ml solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid 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

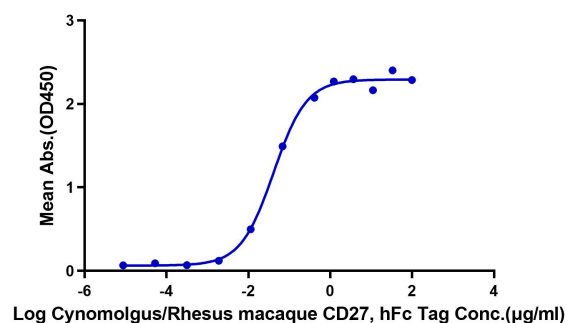
Tris-Bis PAGE



Cynomolgus CD27 Ligand/CD70 on Tris-Bis 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 41.5ng/ml determined by ELISA.