

Recombinant Cynomolgus TNFSF7/CD27 Ligand /CD70 Protein

Catalog No.: RP02728

Sequence Information

Species	Gene ID
Cynomolgus	102130438
Swiss Prot	Tags
G7PYU6-1	N-His

Synonyms

CD70 molecule; CD70; TNFSF7; CD27 Ligand; CD27-L; CD27LG;? Ki-24 antigen; TNFSF7G

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW	Observed MW
18.4 kDa	55-70 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

Basic Information

Description

Recombinant Cynomolgus TNFSF7/CD27 Ligand/CD70 Protein is produced by Expi293 cells expression system. The target protein is expressed with sequence (Gln39-Pro194) of Cynomolgus TNFSF7 (Accession # G7PYU6-1) fused with His tag at the N-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

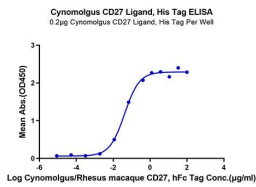
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

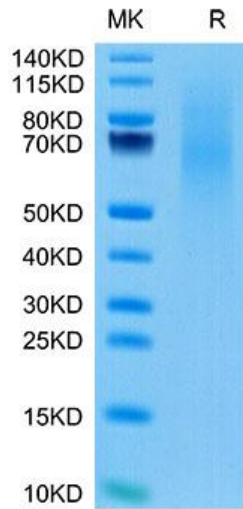
Contact

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Validation Data



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.



Recombinant Cynomolgus TNFSF7/CD27 Ligand/CD70 Protein was determined by Tris-Bis PAGE under reducing conditions.