

Biotinylated Recombinant Human CD70 (Primary Amine Labeling)

Catalog No.: RP02765 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	970	P32970-1

Tags

N-His

Synonyms

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

Product Information

Source

HEK293 cells

Purification

> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the 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.

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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 Biotinylated Human CD27 Ligand/CD70 Trimer Protein (Primary Amine Labeling) is expressed from Expi293 with His tag at the N-terminal. It contains Leu50-Pro193 Trimer.

Bio-Activity

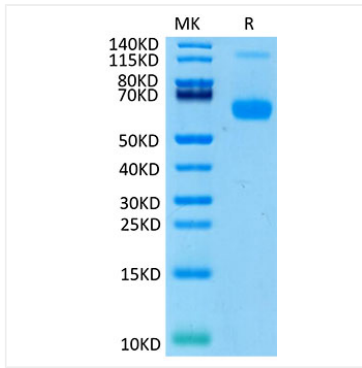
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

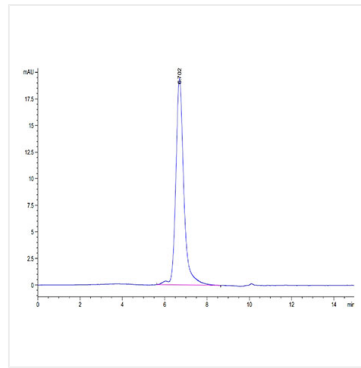
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

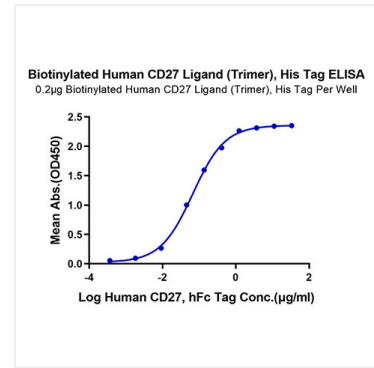
Validation Data



Biotinylated Human CD27 Ligand (Trimer) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human CD27 Ligand (Trimer) is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human CD27 Ligand (Trimer) , His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC₅₀ 67ng/ml determined by ELISA.