Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein

Catalog No.: RP00527

Sequence Information

Species	Gene ID
Human	970
Swiss Prot	**Tags**
P32970-1	N-hFc

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

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.
Calculated MW	**Observed MW**
42.7 kDa	60-80 kDa

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

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial 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 stablizer (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 Human CD27 Ligand/CD70 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln39-Pro193) of Human TNFSF7/CD27 Ligand/CD70 (Accession #P32970-1) fused with 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℃

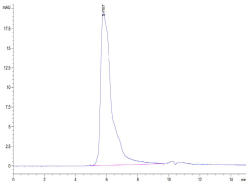
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

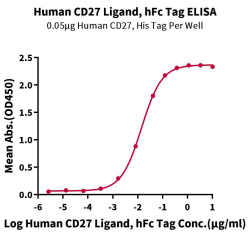
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cn.market@abclonal.com.cn
www.abclonal.com.cn

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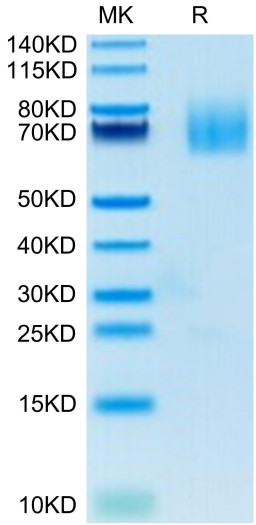
Validation Data



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



Immobilized Human CD27, His Tag at 0.5 μg/mL (100 μL/well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC_{50} of 14.2ng/mL determined by ELISA.



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