Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein

Catalog No.: RP01720

Sequence Information

Species	Gene ID
Human	970
Swiss Prot	**Tags**
P32970	N-6His

Synonyms
CD27L; LPFS3; CD27-L; CD27LG; TNFSF7; TNLG8A;CD70

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
17.98 kDa	25 kDa

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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, a member of the tumor necrosis factor superfamily, is restricted to activated T-and B-lymphocytes and mature dendritic cells. Binding of CD70 to its receptor, CD27, is important in priming, effector functions, differentiation and memory formation of T-cells as well as plasma and memory B-cell generation. Tight control of CD70 expression is required to prevent lethal immunodeficiency. By selective transcription, CD70 is largely confined to activated lymphocytes and dendritic cells (DC). As a type II transmembrane receptor, CD70 is normally expressed on a subset of B, T and NK cells, where it plays a costimulatory role in immune cell activation. Immunohistochemical analysis of CD70 expression in multiple carcinoma types. The restricted expression pattern of CD70 in normal tissues and its widespread expression in various malignancies makes it an attractive target for antibody-based therapeutics. Investigations to exploit CD70 as a cancer target have lead to the identification of potential antibody-based clinical candidates.

Basic Information

Description
Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln39-Pro193) of human CD70/TNFSF7/CD27 Ligand (Accession #NP_001243.1) fused with and a 6×His tag at the N-terminus.

Activity
Measured by its binding ability in a functional ELISA.Immobilized Human TNFSF7 (Catalog: RP01720) at 2 μg/mL (100 μL/well) can bind Human TNFRSF7 (Catalog: RP01358) with a linear range of 0.2-82 ng/mL.

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℃

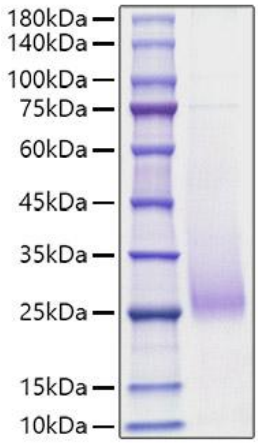
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

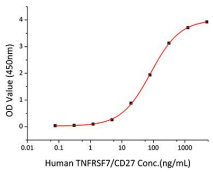
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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