

Recombinant Mouse TNFRSF7/CD27 Protein

Catalog No.: RP02715 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 21940 P41272-1

Tags

C-mFc

Synonyms

CD27 antigen; Tp55; TNFRSF7; S152; T14; S152. LPFS2; MGC20393; S152CD27L receptor

Product Information

Source Purification

HEK293 cells ≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

44.3 kDa 60-70 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

CD27, also known as TNFRSF7, is an approximately 55 kDa transmembrane protein in the TNF receptor superfamily. It functions as a co?stimulatory molecule that supports lymphocyte activation and survival. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis.

Basic Information

Description

Recombinant Mouse TNFRSF7/CD27 Protein is produced by Expi293 cells expression system. The target protein is expressed with sequence (Pro24-Arg182) of Mouse TNFRSF7/CD27 (Accession # P41272-1) fused with mFc tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

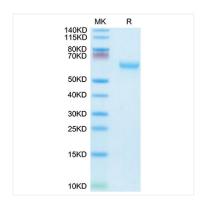
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

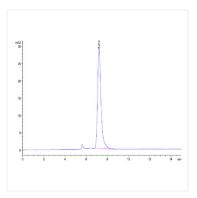
Operational Notes

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

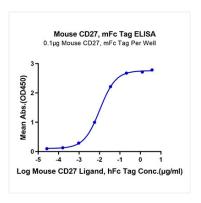
Validation Data



Recombinant Mouse TNFRSF7/CD27 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Immobilized Mouse CD27, mFc Tag at $1\mu g/ml$ (100 $\mu l/Well$) on the plate. Dose response curve for Mouse CD27 Ligand, hFc Tag with the EC $_{so}$ of 10.3ng/ml determined by ELISA.