

Recombinant Mouse TNFRSF7/CD27 Protein

Catalog No.: RP02715

Sequence Information

Species	Gene ID
Mouse	21940
Swiss Prot	Tags
P41272-1	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 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

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.

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

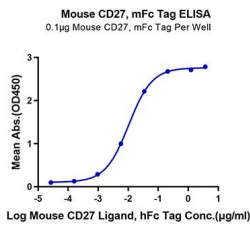
Operational Notes

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

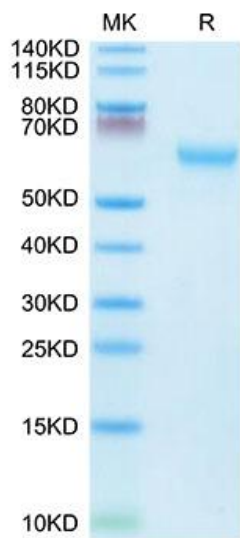
Contact

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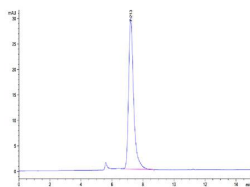
Validation Data



Immobilized Mouse CD27, mFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Mouse CD27 Ligand, hFc Tag with the EC₅₀ of 10.3ng/ml determined by ELISA.



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.