

Recombinant Mouse TNFRSF7/CD27 Protein

Catalog No.: RP02715 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	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

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.

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

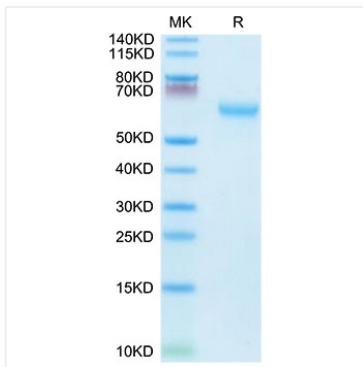
Storage

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

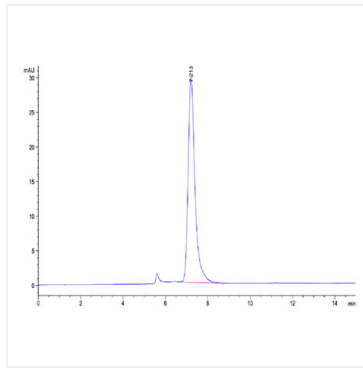
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

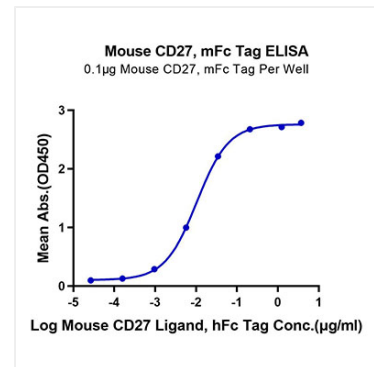
Validation Data



Mouse CD27 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



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.