

Catalog No.: RP02715 **Recombinant**

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Mouse | 21940 | P41272-1 |

C-mFc

CD27 antigen; Tp53; TNFRSF7; S152;
T14; S152. LPFS2; MGC20393;
S152CD27L receptor

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|-------------------------------|--|
| Source HEK293 cells | Purification ≥ 95 % as determined by Tris- Bis PAGE; ≥ 95 % as determined by HPLC. |
|-------------------------------|--|

44.3 kDa 60-70 kDa

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

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.

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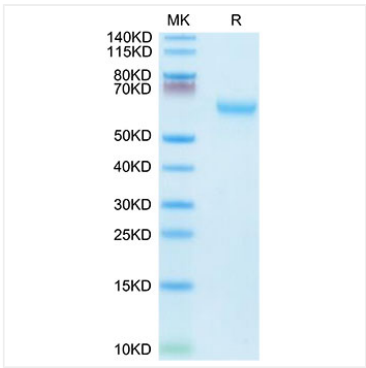
CD27, also known as TNFRSF7, is an approximately 55 kDa transmembrane protein in the TNF receptor superfamily. It functions as a co-stimulatory molecule that supports lymphocyte activation and survival. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis.

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.

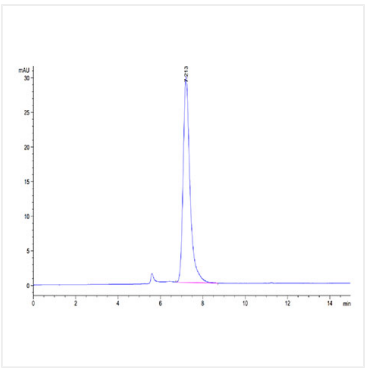
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

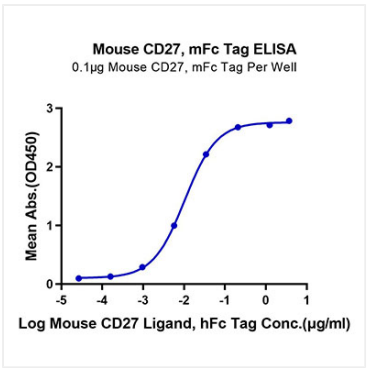
Validation Data



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 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.