

Recombinant Mouse TNFRSF1A/TNF-R1/CD120a Protein

www.abclonal.comCatalog No.: RP01078 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	21937	P25118

Tags

C-hFc&His

Synonyms

CD120a;FPF;p55;p55-R;TNF-alphaR1;TNF-R;TNF-R-I;TNF-R1;TNF-R55;TNFalpha-R1;TNFAR;Tnfr-2;Tnfr1;TNFR60;TNFRI;TNFRp55;TNFRSF1A;CD120a;FPF;p55;p55-R;TNF-alphaR1;TNF-R;TNF-R-I;TNF-R1;TNF-R55;TNFalpha-R1;TNFAR;Tnfr-2;Tnfr1;TNFR60;TNFRI;TNFRp55;TNFRSF1A

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
49.98 kDa	60 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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 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

Basic Information

Description

Recombinant Mouse TNFRSF1A/TNF-R1/CD120a Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ala212) of mouse TNFR1/CD120a/TNFRSF1A (Accession #NP_035739.2) fused with an Fc, 6xHis tag at the C-terminus.

Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Mouse TNF-alpha Protein at 0.5 μg/mL (100 μL/well) can bind Mouse TNFR1 with a linear range of 0.06-15.7 ng/mL. 2. Measured by its ability to inhibit the TNFα-mediated cytotoxicity in the L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED₅₀ for this effect is typically 75-300 ng/mL in the presence of 0.1 ng/mL of recombinant mouse TNF-α.

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.

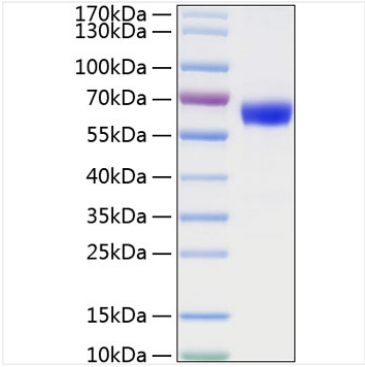
Contact

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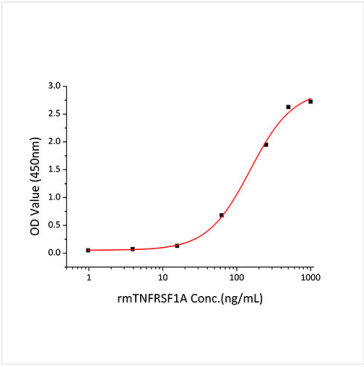
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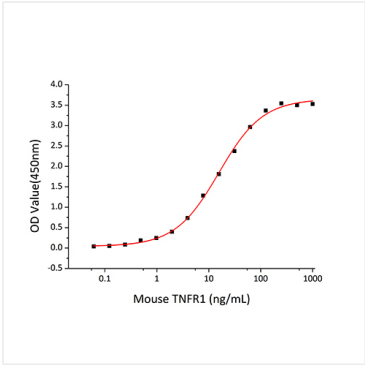
Validation Data



Recombinant Mouse TNFRSF1A/TNF-R1/CD120a Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60 kDa.



Recombinant Mouse TNFRSF1A inhibit the TNFα-mediated cytotoxicity in the L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED₅₀ for this effect is typically 75-300 ng/mL in the presence of 0.1 ng/mL of recombinant mouse TNF-α.



Immobilized Mouse TNF-alpha Protein at 0.5 µg/mL (100 µL/well) can bind Mouse TNFR1 with a linear range of 0.06-15.7 ng/mL.