

# Recombinant Mouse TNFRSF1A/TNF-R1/CD120a Protein

Catalog No.: RP01078

## Sequence Information

| Species    | Gene ID   |
|------------|-----------|
| Mouse      | 21937     |
| Swiss Prot | Tags      |
| P25118     | 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 | ≥ 95 % as determined by SDS-PAGE. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 49.98 kDa     | 55-70 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).

## 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, 6×His tag at the C-terminus.

#### 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 ED<sub>50</sub> for this effect is typically 75-300 ng/mL in the presence of 0.1 ng/mL of recombinant mouse TNF-α.

#### 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

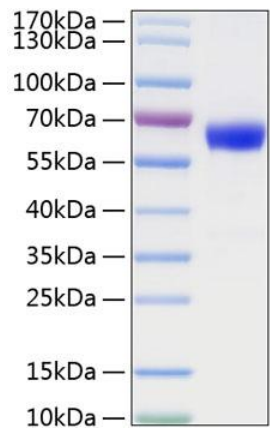
For your safety and health, please wear a lab coat and disposable gloves for handling.

## Contact

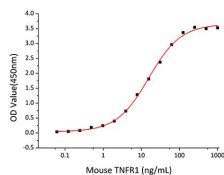
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|---|--|--------------------------------------------------------------------------|
| ☎ |  | 400-999-6126                                                             |
| ✉ |  | <a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a> |
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or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

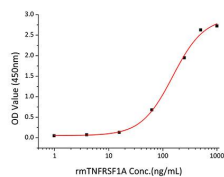
## Validation Data



Recombinant Mouse TNFRSF1A/TNF-R1/CD120a Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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.



Recombinant Mouse TNFRSF1A inhibit the TNF $\alpha$ -mediated cytotoxicity in the L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED<sub>50</sub> for this effect is typically 75-300 ng/mL in the presence of 0.1 ng/mL of recombinant mouse TNF- $\alpha$ .