

# Recombinant Mouse TNFRSF1A/TNF-R1/CD120a Protein www.abclonal.com

Catalog 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;TN FRp55;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;TN FRp55;TNFRSF1A

## **Product Information**

Source Purification

HEK293 cells  $\geq$  95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

49.98 kDa 60 kDa

# Endotoxin

 $< 0.1 \; \text{EU/}\mu\text{g}$  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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## **Contact**

## **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,  $6\times$ His 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  $\mu$ g/mL (100  $\mu$ L/well) can bind Mouse TNFR1 with a linear range of 0.06-15.7 ng/mL.|2.Measured by its ability to 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- $\alpha$ .

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## 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  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

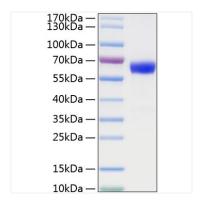
Avoid repeated freeze/thaw cycles.

## **Operational Notes**

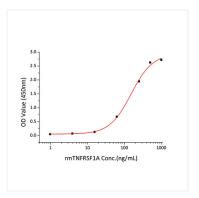
For your safety and health, please wear a lab coat and disposable gloves for handling.

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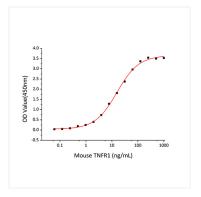
## **Validation Data**



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



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 $_{50}$  for this effect is typically 75-300 ng/mL in the presence of 0.1 ng/mL of recombinant mouse TNF- $\alpha$ .



Immobilized Mouse TNF-alpha Protein at 0.5  $\mu$ g/mL (100  $\mu$ L/well) can bind Mouse TNFR1 with a linear range of 0.06-15.7 ng/mL.