

Active Recombinant Mouse Tnf protein, His-tagged

Cat. No. TNF-0807M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnf protein(Leu80-Leu235), fused with C-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	80-235 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Immobilized recombinant Mouse TNFα at 2 µg/mL (100 µL/well) can bind Human TNFRSF1A with a linear range of 4-53 ng/mL. 2. Immobilized Recombinant Mouse TNF-α at 2 µg/mL (100 µL/well) can bind Mouse TNFRSF1B with a linear range of 0.02-0.77 ng/mL. 3. Recombinant Mouse TNF-alpha induces cytotoxicity in the L-929 mouse fibroblast cell line in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 3.55-14.2 pg/mL, corresponding to a specific activity of $7.04 \times 10^7 \sim 2.82 \times 10^8$ units/mg.
Molecular Mass	18.10 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.

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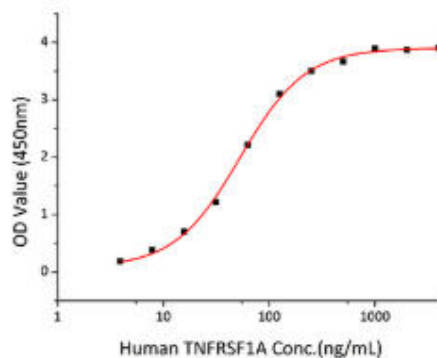
Purity	≥ 95 % as determined by SDS-PAGE; ≥95 % as determined by HPLC.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge 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.
GENE INFORMATION	
Gene Name	Tnf tumor necrosis factor [Mus musculus]
Official Symbol	Tnf
Synonyms	TNF; tumor necrosis factor; TNF-a; TNF alpha; cachectin; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2; DIF; Tnfa; TNFSF2; Tnfsf1a; TNFalpha; TNF-alpha; MGC151434;
Gene ID	21926
mRNA Refseq	NM_013693
Protein Refseq	NP_038721

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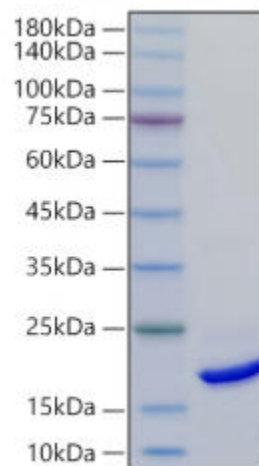
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Activity



SDS-PAGE



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