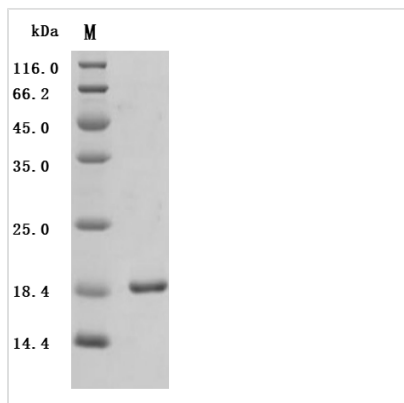


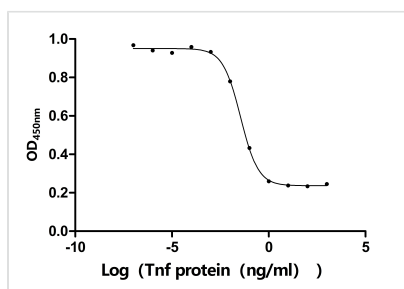


Recombinant Mouse Tumor necrosis factor (Tnf), partial (Active)

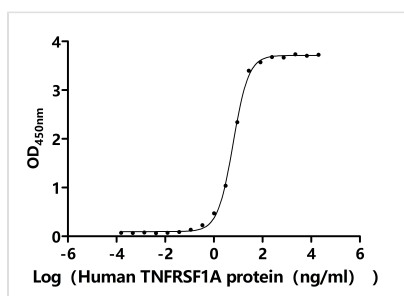
Product Code	CSB-MP023955MO2
Abbreviation	Recombinant Mouse Tnf protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P06804
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Biological Activity	<p>①Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 26.52-46.24 pg/mL.</p> <p>②Measured by its binding ability in a functional ELISA. Immobilized Mouse Tnf at 2 µg/mL can bind Human TNFRSF1A (CSB-MP023977HU1). The EC50 is 5.832-6.608 ng/mL.</p> <p>③Human TNFRSF1A (CSB-MP023977HU1) captured on Protein A Chip can bind Recombinant Mouse Tnf with an affinity constant of 1.24 nM as detected by MetaSPR Assay (WeSPR™ 200).</p>
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	LRSSSQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNLVVP ADGLYLVYSQVLFKGGQCPDYVLLTHTVSRFAISYQEKNLLSAVKSPCPKDT PEGAELKPWYEPYILGGVFQLEKGDQLSAEVNLPKYLDFAESGQVYFGVIAL
Source	Mammalian cell
Target Names	Tnf
Expression Region	80-235aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	18.7 kDa
Protein Length	Partial
Image	



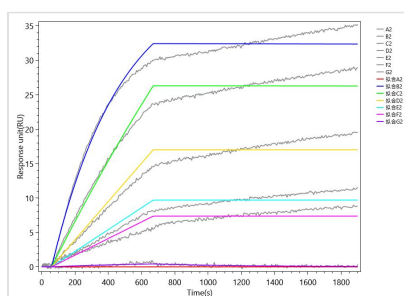
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED₅₀ for this effect is 26.52-46.24 pg/mL.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Mouse Tnf at 2 µg/mL can bind Human TNFRSF1A (CSB-MP023977HU1). The EC₅₀ is 5.832-6.608 ng/mL.



Activity
Human TNFRSF1A (CSB-MP023977HU1) captured on Protein A Chip can bind Recombinant Mouse Tnf with an affinity constant of 1.24 nM as detected by MetaSPR Assay (WeSPRTM 200).

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.