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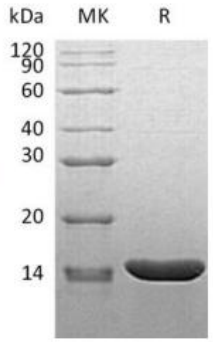
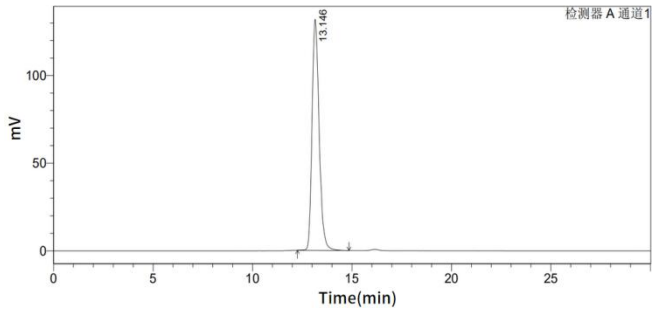
Recombinant Mouse TNFa

Catalog#:AC81017 Derived from *E.coli*

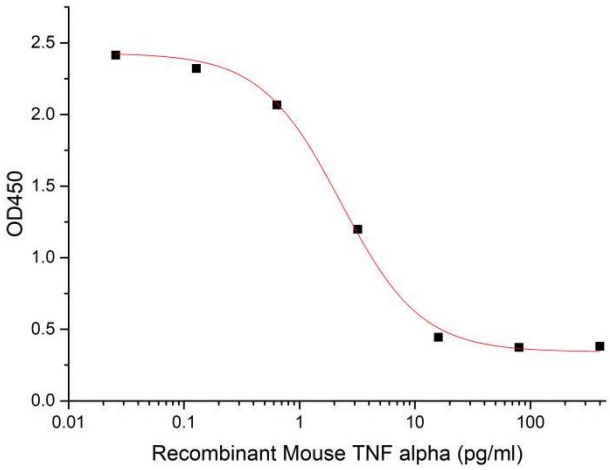
DESCRIPTION	Recombinant Mouse Tumor Necrosis Factor Alpha is produced by our E.coli expression system and the target gene encoding Asp89-Leu235 is expressed. **Accession**#: P06804 **Known as**: Tumor Necrosis Factor; Cachectin; TNF-Alpha; Tumor Necrosis Factor Ligand Superfamily Member 2; TNF-a; Tumor Necrosis Factor; Membrane Form; Tumor Necrosis Factor; Soluble Form; Tnf; Tnfa; Tnfsf2
FORMULATION	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
SHIPPING	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
STORAGE	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
RECONSTITUTION	*Always centrifuge tubes before opening.Do not mix by vortex or pipetting.* *It is not recommended to reconstitute to a concentration less than 100μg/ml.* Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
QUALITY CONTROL	**Mol Mass**:16.4 KDa **AP Mol Mass**:14 KDa, reducing conditions. **Purity:** Greater than 95% as determined by reducing SDS-PAGE. **Endotoxin**: < 0.01 EU/μg as determined by LAL test.
BACKGROUND	Tumor Necrosis Factor (TNF) is a member of the Tumor Necrosis Factor family. TNF exists as a homotrimer and interacts with SPPL2B. TNF is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. TNF is a key cytokine in the development of several inflammatory disorders. It contributes to the development of type 2 diabetes throught its effects on insulin resistance and fatty acid metabolism.
SDS-PAGE	

Purity-SEC-HPLC:



Greater than 95% as determined by SEC-HPLC.

Bioactivity-Cell Based Assay:



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 2-8 pg/ml.