


Mouse TNF-alpha protein

Cat #: PRP1113

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse TNF-alpha protein		
REF	Catalog Number: PRP1113	LOT	Lot Number: Refer to product label
	Purity: >98% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E. coli</i>
	Shipping: The product is shipped at below ambient temperature.		

Background: Tumor necrosis factor alpha (TNF-alpha), also known as cachectin and TNFSF2, is a pleiotropic pro-inflammatory cytokine secreted by various cells including adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. It belongs to the TNF family of ligands and signals through two receptors, TNFR1 and TNFR2. TNF-α is cytotoxic to a wide variety of tumor cells and is an essential factor in mediating the immune response against bacterial infections. TNF-α also plays a role in the induction of septic shock, auto immune diseases, rheumatoid arthritis, inflammation, and diabetes.

Sequence: Amino acid sequence derived from Mouse TNF-alpha isoform (P06804) (Leu80-Leu235) was expressed.

Protein length: The recombinant Mouse TNF-alpha protein consists of 157 amino acids and has a predicted molecular mass of 17 kDa.

Biological Activity: Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 25-100 pg/ml.

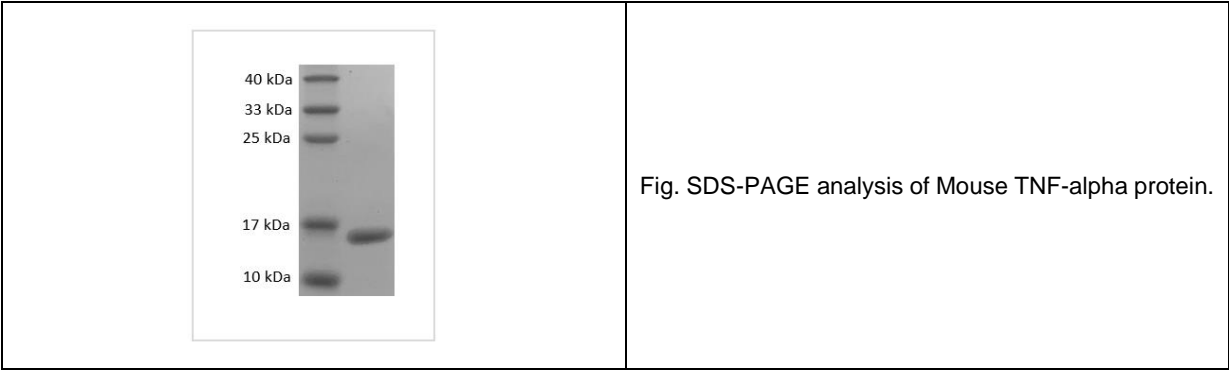
Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized Mouse TNF-alpha protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Mouse TNF-alpha

protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.