


Mouse TNF-alpha protein

Cat #: PRP100409

Size: 5µg/20µg/100µg/1mg

Product Information

	Product Name: Mouse TNF-alpha protein		
REF	Catalog Number: PRP100409	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: Tumor necrosis factor alpha (TNF-alpha), also known as TNF, TNFA or TNFSF2, is the prototypic cytokine of the TNF superfamily, and is a multifunctional molecule involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. Two receptors, TNF-R1 (TNF receptor type 1; CD120a; p55/60) and TNF-R2 (TNF receptor type 2; CD120b; p75/80), bind to TNF-alpha. TNF-alpha protein is produced mainly by macrophages, and large amounts of this cytokine are released in response to lipopolysaccharide, other bacterial products, and Interleukin-1 (IL-1). TNF-alpha is involved in fighting against the tumorigenesis, thus, is regarded as a molecular insight in cancer treatment.

Sequence: Amino acid sequence derived from soluble form of mouse TNF-α (NP_038721.1) (Leu 80-Leu 235) was expressed, with an initial Met at the C-terminus.

Protein length: The recombinant mouse TNF-α consists of 157 amino acids and migrates with an apparent molecular mass of 17 kDa as estimated in SDS-PAGE under reducing conditions.

Formulation: Lyophilized from sterile 50mM Tris 0.2M NaCl, pH 7.2.

Storage Instructions: Lyophilized Mouse TNF-alpha protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°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 100µg/ml, which can then be further diluted to other aqueous solutions.

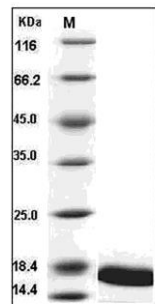


Fig. SDS-PAGE analysis of Mouse TNF-alpha protein.

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