Active Recombinant Mouse TNF-β Protein, His-Tagged

Cat. No. TNF-β-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse TNF-β Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	TNF-β works as a potential mediator in the inflammatory and immune process. It a component of the TNF family of ligands, and signals through TNFR1 and TNFR2. TNF-β is secreted by activated T and B lymphocytes, and has similar function to TNF-α. In the same manner as TNF-α, TNF-β is involved in the regulation of various biological processes, including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. TNF-β is generally released as a soluble polypeptide. In addition, lymphotoxin-β can anchor TNF-β to the cell surface and form heterotrimers in an effective manner. TNF-β is cytotoxic to a wide range of tumor cells.
Form	Lyophilized powder
AA Sequence	LSGVRFSAARTAHPLPQKHLTHGILKPAAHLVGYPSKQNSLLWRASTDRAFLRHGFS LSNNSLLIPTSGLYFVYSQVVFSGESCSPRAIPTPIYL AHEVQLFSSQYPFHVPLLSAQKSVYPGLQGPWVRSMYQGAVFLLSKGDQLSTHTD GISHLHFSPSSVFFGAFAL with polyhistidine tag at the N-terminus

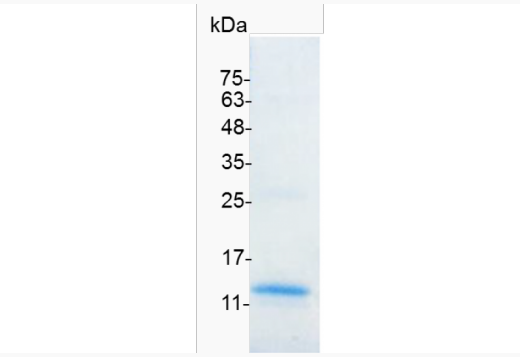
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Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is <30 ng/mL
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	Lta lymphotoxin A [Mus musculus (house mouse)]
Official Symbol	TNF-β
Synonyms	LT; Ltx; Tnfb; LT[a]; LT-[a]; TNFSF1; Tnlg1e; hlb382; LTalpha; Tnfsf1b; LT-alpha; TNF-beta
Gene ID	16992
mRNA Refseq	NM_010735.2

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Protein Refseq	NP_034865.1
UniProt ID	P09225
	

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