

TNF-alpha active protein

Mouse TNF-alpha

CATALOG # AAA79194	HOST E Coli	REACTIVITY Mouse
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PRODUCT SYNONYMS

TNF-alpha; Mouse TNF-alpha; Tnf; DIF; Tnfa; TNFSF2; Tnfsf1a; TNFalpha; TNF-alpha active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	> 98% (SDS-PAGE; HPLC analyses)
Form/Format	Lyophilized
Sequence	MLRSSSQNSS DKPVAHVVAN HQVEEQLEWL SQRANALLAN GMDLKDNLV VPADGLYLVY SQVLFKGQGC PDYVLLTHTV SRFAISYQEK VNLLSAVKSP CPKDTPEGAE LKPWYEPIYL GGVFQLEKGD QLSAEVNLPK YLDFAESGQV YFGVIAL
Sequence Length	156
Endotoxin level	< 0.1 ng/ug of protein (<1EU/ug).
Biological Activity	The ED50 as determined by the cytolysis of murine L929 cells in the presence of actinomycin D is <=0.1 ng/ml, corresponding to a specific activity of >=1 x 10 ⁷ units/mg.
Length	156
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2 degree C to 8 degree C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20 degree C to -80 degree C.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4 degree C for 6 months. Reconstituted working aliquots are stable for 1 week at 2 degree C to 8 degree C and for 12 months at -20 degree C to -80 degree C. Avoid freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TNF-alpha active protein	TNF-alpha 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-alpha is cytotoxic to a wide variety of tumor cells and is an essential factor in mediating the immune response against bacterial infections. TNF-alpha also plays a role in the induction of septic shock, auto immune diseases, rheumatoid arthritis, inflammation, and diabetes. Recombinant murine TNF-alpha is a soluble 156 amino acid protein (17.3 kDa) which corresponds to C-terminal extracellular domain of the full length transmembrane protein.
Product Categories/Family for TNF-alpha active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	518831589
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NCBI GeneID	21926
NCBI Accession #	NM_013693.2
NCBI GenBank Nucleotide #	NM_001278601.1
UniProt Accession #	P06804; O35853; Q62326; Q91VF3
Molecular Weight	17.3 kDa
NCBI Official Full Name	tumor necrosis factor isoform 2
NCBI Official Synonym Full Names	tumor necrosis factor
NCBI Official Symbol	Tnf
NCBI Official Synonym Symbols	DIF; Tnfa; TNF-a; TNFSF2; Tnfsf1a; TNFalpha; TNF-alpha
NCBI Protein Information	tumor necrosis factor; cachectin; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2
UniProt Protein Name	Tumor necrosis factor
UniProt Gene Name	Tnf
UniProt Synonym Gene Names	Tnfa; Tnfsf2; TNF-a; NTF; ICD1; ICD2
UniProt Entry Name	TNFA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-mouse-active-protein/tnf-alpha/79194>