

Recombinant Mouse Tumor necrosis factor(Tnf),partial

Catalog No: #AP76618

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Package Size: #AP76618-1 20ug #AP76618-2 100ug #AP76618-3 1mg

Description

Product Name	Recombinant Mouse Tumor necrosis factor(Tnf),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:57-235aaSequence Info:Extracellular Domain
Other Names	Cachectin TNF-alpha Tumor necrosis factor ligand superfamily member 2 Short name:TNF-a
Accession No.	P06804
Uniprot	P06804
GeneID	21926;
Calculated MW	35.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	GPQRDEKFPNGLPLISSMAQTLTLRSSSQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNQL VVPADGLYLVYSQVLFKQGQCPDYVLLTHTVSRFAISYQEKVNLLSAVKSPCKDTPEGAELKPWYEPIYLG VFQLEKGDQLSAEVNLPKYLDFAESGQVYFGVIAL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Cytokine that binds to TNFRSF1A,TNFR1 and TNFRSF1B,TNFBR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation.

The TNF intracellular domain (ICD) form induces IL12 production in dendritic cells.

References

"Cloning and expression in Escherichia coli of the gene for mouse tumor necrosis factor."Shirai T., Shimizu N., Shiojiri S., Horiguchi S., Ito H.DNA 7:193-201(1988)Research Topic:Others

Note: This product is for in vitro research use only