

Recombinant Human Tumor necrosis factor(TNF),partial

Catalog No: #AP76568

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Package Size: #AP76568-1 20ug #AP76568-2 100ug #AP76568-3 1mg

Description

Product Name	Recombinant Human 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:77-233Sequence Info:Partial
Other Names	Cachectin;TNF-alphaTumor necrosis factor ligand superfamily member 2 ;TNF-a
Accession No.	P01375
Uniprot	P01375
GeneID	7124;
Calculated MW	21.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	VRSSSRTPSDKPVAVHVVANPQAEGLQLWLNRRANALLANGVELRDNQLVVPSEGLYLIYSQVLFKGGQCPST HVLHTHTISRIVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPIYLGGVFQLEKGDRLSAEINRPDYLDFAES GQVYFGIIAL
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,TNFBFR. 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. Impairs regulatory T-cells (Treg) function in individuals with rheumatoid arthritis via FOXP3 dephosphorylation. Upregulates the expression of protein phosphatase 1 (PP1), which dephosphorylates the key 'Ser-418' residue of FOXP3, thereby inactivating FOXP3 and rendering Treg cells functionally defective .

References

Analysis of the gene-dense major histocompatibility complex class III region and its comparison to mouse.Xie T., Rowen L., Aguado B., Ahearn M.E., Madan A., Qin S., Campbell R.D., Hood L.Genome Res. 13:2621-2636(2003)Research Topic:Immunology

Note: This product is for in vitro research use only