

Recombinant Bovine Tumor necrosis factor

Catalog No: #AP72017



Package Size: #AP72017-1 20ug #AP72017-2 100ug #AP72017-3 1mg

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Description

Product Name	Recombinant Bovine Tumor necrosis factor
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:78-234aaSequence Info:Partial
Other Names	Cachectin;TNF-alphaTumor necrosis factor ligand superfamily member 2 ;TNF-a
Accession No.	Q06599
Uniprot	Q06599
GeneID	280943;
Calculated MW	21.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	LRSSSQASSNKPVAVHVVADINSPGQLRWWDSDYANALMANGVKLEDNQLVVPADGLYLIYSQVLFRRGGCPST PLFLTHTISRIVASYQTKVNILSAIKSPCHRETPEWAEAKPWYEPIYQGGVFQLEKGDRLSAEINLPDYLDYAES QVYFGIIAL
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,TNFR. 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 characterization of the tandemly arranged bovine lymphotoxin and tumour necrosis factor-alpha genes.Cludts I., Cleuter Y., Kettmann R., Burny A., Droogmans L.Cytokine 5:336-341(1993)Research Topic:Others

Note: This product is for in vitro research use only