

Product Information

Recombinant Anti-Human TNF Antibody scFv Fragment

Cat. No.: **MOM-18006-S(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Chimeric (mouse/human) Antibody scFv Fragment binds selectively to Human TNF, expressed in E. coli

Antigen Description

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.

Specific Activity

Tested positive against native antigen.

Target

TNF

Immunogen

rhTNF emulsified with complete Freund's adjuvant.

Source

Chimeric (mouse/human)

Species Reactivity

Human

Type

scFv Fragment from Chimeric (mouse/human) IgG1 - kappa

Expression Host

E. coli

Purity

>95.0%. Determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

ANTIGEN GENE INFORMATION

Gene Name

Official Symbol

TNF

Synonyms

TNF; tumor necrosis factor; TNFA, tumor necrosis factor (TNF superfamily, member 2); DIF; TNF superfamily; member 2; TNF alpha; TNFSF2; TNF-a; cachectin; APC1 protein; TNF, monocyte-derived; TNF, macrophage-derived; TNF superfamily, member 2; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2; TNFA; TNF-alpha;

Gene ID

[7124](#)

mRNA Refseq

[NM_000594](#)

Protein Refseq

[NP_000585](#)

MIM

[191160](#)

UniProt ID

P01375

Chromosome Location

6p21.3

Pathway

Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem;

Function

cytokine activity; identical protein binding; protease binding; protein binding; transcription regulatory region DNA binding; tumor necrosis factor receptor binding;