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Product Information

Recombinant Anti-Human TNF Antibody

Cat. No.: **MOM-18010**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Human Antibody is directed against Human TNF, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

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.

Specific Activity

Tested positive against native antigen.

Target

TNF

Immunogen

The details of the immunogen for this antibody are not available.

Source

Human

Species Reactivity

Human

Type

Human IgG1 - kappa

Expression Host

CHO

Predicted N terminal

H chain: EVQLVES; L Chain: DIQMTQS

Purity

>95.0% as determined by analysis by SDS-PAGE.

Applications

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

Storage

4°C. For long term storage, aliquot and store at -20°C. Repeated thawing and freezing must be avoided.

ANTIGEN GENE INFOMATION

Gene Name

TNF tumor necrosis factor [Homo sapiens]

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;

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