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Product Information

Recombinant Anti-Human tnf alpha Antibody

Cat. No.: **MOM-18034**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from mouse) Antibody binds selectively to Human TNF alpha, 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 alpha

Immunogen

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

Source

Humanized (from mouse)

Species Reactivity

Human

Type

Humanized(from mouse) IgG1

Expression Host

CHO

Predicted N terminal

H chain: EVQLVES; L Chain: DIQMTQS

Purity

Purity >95% by SDS-PAGE.

Applications

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

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

TNF tumor necrosis factor [Homo sapiens]

Official Symbol

TNF

Synonyms

DIF; TNFA; TNFSF2; TNF-alpha; tumor necrosis factor; APC1 protein; Cachectin; tumor necrosis factor-alpha; TNF, macrophage-derived; Differentiation inducing factor; Macrophage cytotoxic factor ; MCF; Necrosin; TNFalpha; TNF Monocyte Derived; TNF Superfamily Member 2; TNF superfamily, member 2; TNF, monocyte derived; TNFA; Tumor necrosis factor alpha; Tumor necrosis factor ligand superfamily member 2; Tumor Necrosis Factor Precursor; Tumor necrosis factor, soluble form; Tumour Necrosis Factor Alpha

Gene ID

7124

mRNA Refseq

NM_000594.2

Protein Refseq

NP_000585.2

MIM

191160

UniProt ID

P01375

Chromosome Location

6p21.3

Pathway

Adipocytokine signaling pathway; Adipogenesis; African trypanosomiasis; Allograft rejection; Alzheimer"s disease; Amoebiasis; Amyotrophic lateral sclerosis (ALS);

Function

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

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