

TNF-alpha Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3611
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Recombinant Human TNF-alpha (BioSource company, Cat.No. PHC3013)
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	DIF;TNFA;TNFSF2;TNF-alpha

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

TNF-alpha (tumor necrosis factor alpha) is an important cytokine produced by numerous cell types including neutrophils, activated lymphocytes, macrophages and NK cells. It plays a critical role in inflammatory responses and in apoptosis. TNF-alpha is believed to mediate pathogenic shock and tissue injury associated with endotoxemia. TNF-alpha exists as a multimer of two, three, or five non covalently linked units, but shows a single 17 kDa band following SDS PAGE under non reducing conditions. Although it has little effect on many cultured normal human cells, TNF-alpha appears to be directly toxic to vascular endothelial cells. Other actions of TNF-alpha include stimulating growth of human fibroblasts and other cell lines, activating polymorphonuclear neutrophils and osteoclasts, and induction of interleukin 1, prostaglandin E2 and collagenase production. TNF-alpha is currently being evaluated in treatment of certain cancers and AIDS Related Complex.

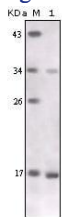
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using TNF-alpha mouse mAb against TNF-alpha recombinant protein.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.