Category: Monoclonal Antibodies

Product Name: Mouse Monoclonal Antibody to TNF-alpha
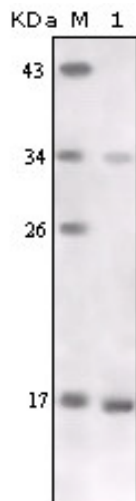
Catalog Number: MAB-606020161

Figure 1: Western blot analysis using TNF-alpha mouse mAb against TNF-alpha recombinant protein.

Lot#:
Clone#: 2A9B9
Host and isotype: Mouse IgG1
Size: 0.1mg
MW:
Aliases: DIF; TNFA; TNFSF2; TNF-alpha
Entrez Gene: 7124
Species reactivity: Human

Description 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.

Immunogen Recombinant Human TNF-alpha (BioSource company, Cat.No. PHC3013)

Application Western Bloting: 1/500 - 1/2000.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Purified antibody in PBS containing 0.03% sodium azide.

Storage Store at 4iæ, for long term storage, store at -20iæ.

Related product References 1. Knowlton KU. Yajima T. J Am Coll Cardiol. 2004,Sep 15, 44(6):1298-300.
2. Reynolds JL. Ignatowski TA. Gallant S.et al. Brain Res. 2004,Oct 8, 1023(1):112-20.
3. Dulak J. Tomala K. Loboda A. et al. Life Sci. 2004,Oct 8, 75(21):2573-86.