

## Mouse Monoclonal Antibody to TNF-alpha

<b>Catalogue Number</b>	sAP-0134
<b>Target Molecule</b>	<p><b>Name:</b> TNF-alpha</p> <p><b>Aliases:</b> DIF; TNFA; TNFSF2; TNF-alpha</p> <p><b>MW:</b> N/A</p> <p><b>Entrez Gene ID:</b> 7124</p>
<b>Description</b>	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
<b>Immunogen</b>	Recombinant Human TNF-alpha (BioSource company, Cat.No. PHC3013)
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM2A9B9;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	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. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**