

# Mouse Monoclonal Antibody to TNF-alpha

## Order Information

Catalog#	20161	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

## 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.

## Specification

Aliases : DIF; TNFA; TNFSF2; TNF-alpha

Entrez GeneID : 7124

Swissprot : P01375

clone : 2A9B9

Host/Isotype : Mouse IgG1

Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity : Human

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

Formulation : Ascitic fluid containing 0.03% sodium azide.

## Application

ELISA 1/10000

## 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.

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## Protocol

WB - [www.promab.com/protocol/wb.html](http://www.promab.com/protocol/wb.html)

IHC - [www.promab.com/protocol/ihc.html](http://www.promab.com/protocol/ihc.html)

ICC - [www.promab.com/protocol/icc.html](http://www.promab.com/protocol/icc.html)

HCM - [www.promab.com/protocol/hcm.html](http://www.promab.com/protocol/hcm.html)

**Antigen Sequence** is available upon request.

## Products and Services

- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

**For Research Only**

**Application Key:**WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

# #20161