

## Product datasheet for **AM06195PU-N**

### TNF alpha (TNF) Mouse Monoclonal Antibody [Clone ID: 2A9B9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2A9B9
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blotting:</b> 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human TNF-alpha
Specificity:	Recognizes TNF-alpha
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor
Database Link:	<a href="#">Entrez Gene 7124 Human P01375</a>



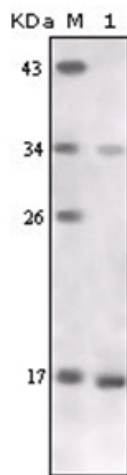
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**Background:**

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.

**Synonyms:**

TNF, TNF-a, TNFA, TNFSF2, Cachectin

**Product images:**

Western blot analysis using TNF-alpha antibody Cat.-No AM06195PU-N against TNF-alpha recombinant protein.