

## Product datasheet for **AM20447AF-N**

### TNF alpha (TNF) Mouse Monoclonal Antibody [Clone ID: Mab1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Mab1
Applications:	ELISA, FN
Recommended Dilution:	<b>Western blot.</b> <b>ELISA:</b> Can be used as capture antibody in combination with biotinylated antibody MAb11. <b>Functional application:</b> neutralisation.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human TNF-alpha
Specificity:	This antibody recognizes human 17-26 kDa cytokine TNF-alpha (tumor necrosis factor alpha).
Formulation:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized State: Azide Free State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store 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 is a cytokine produced by monocytes, macrophages, neutrophils, NK cells, CD4+ T cells and many transformed cells. It can be expressed as a 17 kDa free molecule, or as a 26 kDa membrane protein. TNF-alpha easily forms stable trimers, but also other multimeric complexes. In the immune system, it is an important regulator, which has cytolytic and cytostatic activity against a range of tumor cells, increases fibroblast proliferation and supports neutrophil chemotaxis and phagocytosis.

**Synonyms:** TNF, TNF-a, TNFA, TNFSF2, Cachectin