

Product datasheet for **AM20447PU-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	Mab1
Applications:	ELISA, FN, WB
Recommended Dilution:	Western blot. ELISA: Can be used as capture antibody in combination with biotinylated antibody Mab11. Functional application: Neutralization.
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:	PBS, pH 7.4 State: Purified State: Liquid Ig fraction Preservative: 15mM Sodium azide
Concentration:	lot specific
Purification:	Protein-A affinity chromatography; > 95% pure by SDS-PAGE
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor
Database Link:	Entrez Gene 7124 Human P01375



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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
Protein Families:	Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway, Allograft rejection, Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Asthma, Cytokine-cytokine receptor interaction, Dilated cardiomyopathy, Fc epsilon RI signaling pathway, Graft-versus-host disease, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway, Natural killer cell mediated cytotoxicity, NOD-like receptor signaling pathway, RIG-I-like receptor signaling pathway, Systemic lupus erythematosus, T cell receptor signaling pathway, TGF-beta signaling pathway, Toll-like receptor signaling pathway, Type I diabetes mellitus, Type II diabetes mellitus