

Product datasheet for **TA320488**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	Mab1
Recommended Dilution:	ELISA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor
Database Link:	NP_000585 Entrez Gene 7124 Human P01375
Background:	The MAb1 antibody reacts with human tumor necrosis factor-alpha (TNF- α), a 17 kDa cytokine produced by monocytes, macrophages, neutrophils, NK cells and CD4+ T cells. TNF- α has cytolytic activity against a range of tumor cells and is important in immune regulation. TNF- α forms dimers and trimers and also exists as a 26 kDa membrane bound form.
Synonyms:	DIF; TNF-alpha; TNFA; TNFSF2



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- Note:** The MAb1 antibody reacts with human tumor necrosis factor-alpha (TNF-a), a 17 kDa cytokine produced by monocytes, macrophages, neutrophils, NK cells and CD4+ T cells. TNF-a has cytolytic activity against a range of tumor cells and is important in immune regulation. TNF-a forms dimers and trimers and also exists as a 26 kDa membrane bound form. MAb1 has been reported for use in capture of human TNF alpha by ELISA. It can also be used for immunoblotting (WB) and for neutralizing TNF alpha binding and biological activity. The MAb1 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of human TNF alpha in combination with the biotin MAb11 antibody for detection and recombinant human TNF alpha as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/mL - 8 pg/mL should be included in each ELISA plate.
- 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