

## Product datasheet for **AM05246BT-N**

### TNF alpha (TNF) Mouse Monoclonal Antibody [Clone ID: AS1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AS1
Applications:	E
Recommended Dilution:	ELISA
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant tumor necrosis factor alpha.
Specificity:	Recognizes human TNF alpha. This antibody also binds baboon TNF alpha. Does not recognize human TNF beta, mouse TNF alpha or a panel of other human cytokines.
Formulation:	PBS containing 0.08% Sodium Azide as preservative.
Concentration:	lot specific
Purification:	Protein G chromatography (> 95 % by SDS-PAGE).
Conjugation:	Biotin
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Predicted Protein Size:	25.5 kDa
Gene Name:	tumor necrosis factor
Database Link:	<a href="#">NP_000585</a> <a href="#">Entrez Gene 7124 Human P01375</a>



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<b>Background:</b>	Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation.
<b>Synonyms:</b>	Cachectin; DIF; TNF-a; TNF-alpha; TNFA; TNFSF2
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane
<b>Protein Pathways:</b>	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