Product datasheet for AM05246BT-N

**TNF**

**Product data:**

- **Product Type:** Primary Antibodies
- **Clone Name:** AS1
- **Applications:** E
- **Recommend 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:** NP 000585 Entrez Gene 7124 Human
- **Background:** Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFBR. 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.
Synonyms: Cachectin; DIF; TNF-a; TNF-alpha; TNFA; TNFSF2
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