

Product datasheet for **AM32222PU-N**

TNF alpha (TNF) Mouse Monoclonal Antibody [Clone ID: 52B83]

Product data:

Product Type:	Primary Antibodies
Clone Name:	52B83
Applications:	ELISA, FN, IHC, IP, WB
Recommended Dilution:	ELISA. Western Blot. Flow Cytometry. Immunohistochemistry on frozen and paraffin sections. The typical starting working dilution is 1:50. Immunoprecipitation. Immunoassay.
Reactivity:	Guinea Pig, Human, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The monoclonal antibody 52B83 reacts with Tumor Necrosis Factor alpha (TNF-alpha). The antibody cross reacts with mouse, guinea pig and rhesus monkey TNF-alpha.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction (0.2 um filtered) Stabilizer: 0.1% BSA Preservative: 0.02% Sodium azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor
Database Link:	Entrez Gene 7124 Human P01375



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Background:

Tumor necrosis factor-alpha (TNF-alpha), a homotrimeric 17 KD protein, is a potent mediator of inflammatory and metabolic functions. TNF-alpha was originally detected as a highly cytotoxic cytokine for tumor cells, it causes tumor necrosis in vivo and shows cytolytic activity against tumor cells in vitro. Further TNF-alpha has been implied as central mediator in shock induced by gram negative micro-organisms. The cytokine TNF-alpha is found to be a central mediator in many inflammatory and immunological processes: it can be induced by various products of microorganisms and by various cytokines but it also induces on its turn the production of many cytokines. Signal transduction occurs via two types of TNF-receptors, the TNF-receptors I and II. The receptors differ strongly in their intra-cellular signaling pathways. The TNF-alpha trimer interacts with either of the two types of TNF-receptors leading to receptor crosslinking.

Synonyms:

TNF, TNF-a, TNFA, TNFSF2, Cachectin