

Product datasheet for **AM32021PU-N**

TNF alpha (TNF) Mouse Monoclonal Antibody [Clone ID: 4H31]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4H31
Applications:	ELISA, FN, IHC, IP, WB
Recommended Dilution:	Western blotting. Flow Cytometry. Immuno Assays. Immunoprecipitation. Immunohistochemistry on Frozen Sections of inflamed tissues. Inhibition of the Biological Activity: It has been tested in Cytotoxicity assays as well as in assays with activation of endothelial cells and found to be a powerful antibody. It is can be used to discriminated between TNF-alpha and TNF-beta or lymphotoxin. <i>Dilutions</i> have to be made according to the amount of TNF-alpha to be inactivated.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The antibody reacts with Human native and recombinant TNF-alpha as assessed by ELISA . The antibody inhibits the biological activity of Human native and recombinant TNF-alpha as determined with L929 cells in a Cytotoxicity Assay . The antibody crossreacts with Rhesus and Cynomolgus natural TNF- α and lacks crossreactivity with Human lymphotoxin.
Formulation:	PBS State: Purified State: Liquid (0.2 μ m filtered) purified Ig fraction Stabilizer: 0.1% BSA
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



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Gene Name: tumor necrosis factor

Database Link: [Entrez Gene 7124 Human P01375](#)

Background: Tumor necrosis factor (TNF, cachexin or cachectin and formally known as tumor necrosis factor alpha) is a cytokine involved in systemic inflammation and is a member of a group of cytokines that all stimulate the acute phase reaction. TNF causes apoptotic cell death, cellular proliferation, differentiation, inflammation, tumorigenesis, and viral replication. TNF's primary role is in the regulation of immune cells. Dysregulation and, in particular, overproduction of TNF have been implicated in a variety of human diseases, as well as cancer.

Synonyms: TNF, TNF-a, TNFA, TNFSF2, Cachectin