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Product datasheet for AM32021PU-N

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

Product data:

Clone Name:4H31Applications:ELSA, FN, IHC, IP, WBRecommended DilutionKestern blotting, Flow Cytometry, ImmunoAssays, ImmunoAssays, Immunohistochemistry on Frozen Sections of inflamed tissue, Immunohistochemistry on Frozen Sections of Inflamed tissue, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry, Immunohistoch	Product Type:	Primary Antibodies
Recommended DilutionWestern blotting, Flow Cytometry. Immuno Assays. Immunoprecipitation. Immunobistochemistry on Frozen Sections of inflamed tissues. Inhibition of the Biological Activity: It has been tested inCytotoxicity 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. Dilutions have to be made according to the amount of TNF-alpha to be inactivated.Reactivity:Human, MonkeyHost:MouseIsotype:IgG1Clonality:MonoclonalSpecificity:The antibody reacts with Human native and recombinant TNF-alpha as assessed byELISA. The antibody crossreacts with Rhesus and Cynomolgus natural TNF-a and lacks crossreactivity with Human lymphotoxin.Formulation:PBS State: Purified State: Liquid (0.2 µm filtered) purified Ig fraction Stabilizer: 0.1% BSAConcentration:Iot specific UnconjugatedKoncipation:VinconjugatedKoncipation:Vinconjugated	Clone Name:	4H31
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Host:MouseIsotype:IgG1Clonality:MonoclonalSpecificity:The antibody reacts with Human native and recombinant TNF-alpha as assessed byELISA. 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 µm filtered) purified Ig fraction Stabilizer: 0.1% BSAConcentration:Iot specificConjugation:UnconjugatedYor ge:Store the antibody undiluted at 2-8°C.	Recommended Dilution:	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.
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Conjugation:UnconjugatedStorage:Store the antibody undiluted at 2-8°C.	Formulation:	State: Purified State: Liquid (0.2 µm filtered) purified lg fraction
Storage:Store the antibody undiluted at 2-8°C.	Concentration:	lot specific
	Conjugation:	Unconjugated
Stability:Shelf life: one year from despatch.	Storage:	Store the antibody undiluted at 2-8°C.
	Stability:	Shelf life: one year from despatch.



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	TNF alpha (TNF) Mouse Monoclonal Antibody [Clone ID: 4H31] – AM32021PU-N
Gene Name:	tumor necrosis factor
Database Link:	<u>Entrez Gene 7124 Human</u> <u>P01375</u>
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

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