

Mouse TNF-a Monoclonal Antibody | anti-TNF-a antibody

Mouse Anti-Human TNF alpha-Monoclonal Antibody Datasheet

CATALOG # AAA77931	HOST Mouse	REACTIVITY Human. Other species not tested	APPLICATIONS Western Blot, ELISA
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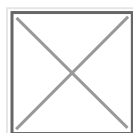
PRODUCT SYNONYMS

TNF-a; Monoclonal Antibody; Mouse Anti-Human TNF alpha-Monoclonal Antibody Datasheet; Tumor Necrosis Factor Alpha (TNF-alpha); Tumor Necrosis Factor Alpha (TNF-a); Mouse monoclonal antibody to human Tumor Necrosis Factor alpha (TNF-alpha); anti-TNF-a antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Other species not tested
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	B1E4
Specificity	This antibody recognizes recombinant human TNF-alpha in ELISA and Western Blotting. Tumor Necrosis Factor Alpha (TNF-alpha)
Purity/Purification	Protein G affinity purified
Form/Format	Lyophilized from a solution in 0.01M PBS, pH 7.0
Sequence Length	233
Applicable Applications for anti-TNF-a antibody	WB (Western Blot), ELISA
Target Protein	Human TNF-alpha
Immunogen	Purified recombinant human TNF-alpha
Myeloma	Sp2/0-Ag14
Light Chain	Kappa
Reconstitution	Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.
Research Area	Cytokine, inflammation
Product Type	Primary antibody, detection antibody in match antibody pair.
Preparation and Storage	Store at -20 degree C

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-TNF-a antibody	Tumor Necrosis Factor-alpha (TNF-?) is a multifunctional pro-inflammatory cytokine, mainly secreted by activated macrophages. It is implicated with a variety of biological procedures including systemic inflammation, cell proliferation, apoptosis, lipid metabolism, and coagulation. The pleiotropic attribute of TNF-? regulation is associated with its ability to trigger multiple signalling pathways through its receptors, TNFR1 (p55) and TNFR2 (p75). TNF-? not only contributes to the immune response to bacterial, fungal, viral and parasitic invasions, but also functions in tissue remodeling, autoimmune-diseases and the necrosis of specific tumors. TNF-? hyper-expression in response to some bacterial components such as LPS can cause life threatening septic shock. Recombinant TNF-?, in combination with chemotherapy, has been applied for treatment of soft sarcomas, melanomas and other irresectable tumors. Anti-TNF-? therapy has been used for treatment of rheumatoid arthritis.
Product Categories/Family for anti-TNF-a antibody	Primary Antibodies; Detection antibody in matched antibody pair.; Monoclonal Antibodies to Human Cytokines and Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	37210
NCBI GeneID	7124
UniProt Accession #	P01375; O43647; Q9P1Q2; Q9UIV3
Molecular Weight	25,644 Da
NCBI Official Full Name	TNF-alpha
NCBI Official Synonym Full Names	tumor necrosis factor
NCBI Official Symbol	TNF
NCBI Official Synonym Symbols	DIF; TNFA; TNFSF2; TNF-alpha
NCBI Protein Information	tumor necrosis factor; APC1 protein; TNF, macrophage-derived; TNF, monocyte-derived; TNF-a; cachectin; tumor necrosis factor ligand superfamily member 2; tumor necrosis factor-alpha
UniProt Protein Name	Tumor necrosis factor
UniProt Gene Name	TNF
UniProt Entry Name	TNFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tnf-a-antibody-clone-b1e4-western-blot-elisa/77931>