

anti-Mouse TNF alpha Monoclonal Antibody | anti-TNFalpha antibody

Anti-Mouse TNF alpha In Vivo Antibody - Ultra Low Endotoxin (TN3-19.12)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197038	Armenian Hamster	Mouse	Flow Cytometry, Functional Assay, Functional Assay, Western Blot, Immunoprecipitation

PRODUCT SYNONYMS

TNF alpha; Monoclonal Antibody; Anti-Mouse TNF alpha In Vivo Antibody - Ultra Low Endotoxin (TN3-19.12); Cachectin; TNFa; Tumor necrosis factor ligand superfamily member 2; Tnfsf2; anti-TNFalpha antibody

PRODUCT SPECIFICATIONS

Host	Armenian Hamster
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Armenian Hamster IgG
Clone Number	TN3-19.12
Specificity	Anti-TNF alpha In Vivo Antibody - Ultra Low Endotoxin (TN3-19.12) recognizes Mouse TNFa
Purity/Purification	>98% by SDS-PAGE and HPLC This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.
Form/Format	0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added.
Concentration	>=2.0mg/ml (varies by lot)
Applicable Applications for anti-TNFalpha antibody	Blocking, FCM/FACS (Flow Cytometry), FA (Functional Assay), WB (Western Blot), IP (Immunoprecipitation)
Endotoxin	<= 0.75 EU/mg as determined by the LAL method
Immunogen	Recombinant mouse TNFalpha
Aggregation	Aggregation level <= 1%
Antigen Distribution	Activated monocytes, neutrophils, macrophages, T cells, B cells, NK cells, LAK cells
IMPACT Pathogen Test	We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our hamster antibodies are tested for: Mycoplasma spp Mycoplasma pulmonis Pneumonia virus of mice Kilham's rat virus Toolan's H1 virus Hamster parvovirus Lymphocytic choriomeningitis Minute virus of mice Theiler's murine encephalomyelitis virus Sendai virus Reovirus 3 Hantaan virus
Preparation and Storage	anti-TNF alpha In Vivo Antibody - Ultra Low Endotoxin (TN3-19.12) is stable for at least one week when stored sterile at 2-8 degree C. For long term storage aseptically aliquot in working volumes without diluting and store at -20 degree C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

IMAGES



WB (Western Blot)



IF (Immunofluorescence)

ADDITIONAL INFORMATION

Related Product Information for anti-TNFAlpha antibody	The tumor necrosis factor (TNF-alpha) is a multifaceted polypeptide cytokine known as a mediator of inflammation and immunity. It may mediate some of the significant changes in cellular homeostasis which accompany the invasion of the mammalian host by viruses, bacteria, and parasites. TNF-alpha is an acute phase protein which initiates a cascade of cytokines and increases vascular permeability, thereby recruiting macrophage and neutrophils to a site of infection. TNF-alpha secreted by the macrophage causes blood clotting which serves to contain the infection. TNF-alpha has been detected in synovial fluid of patients with rheumatoid arthritis. Clone TN3-19.12 antibody can neutralize the bioactivity of natural or recombinant TNF-alpha
Product Categories/Family for anti-TNFAlpha antibody	Ultra Low Endotoxin; anti-mouse

NCBI AND UNIPROT INFORMATION

NCBI GI #	518831589
NCBI GeneID	21926
NCBI Accession #	NP_001265530.1
NCBI GenBank Nucleotide #	NM_001278601.1
UniProt Accession #	P06804; O35853; Q62326; Q91VF3
Molecular Weight	25,896 Da
NCBI Official Full Name	tumor necrosis factor isoform 2
NCBI Official Synonym Full Names	tumor necrosis factor
NCBI Official Symbol	Tnf
NCBI Official Synonym Symbols	DIF; Tnfa; TNF-a; TNFSF2; Tnlg1f; Tnfsf1a; TNFalpha; TNF-alpha
NCBI Protein Information	tumor necrosis factor
UniProt Protein Name	Tumor necrosis factor
UniProt Gene Name	Tnf
UniProt Synonym Gene Names	Tnfa; Tnfsf2; TNF-a; NTF; ICD1; ICD2
UniProt Entry Name	TNFA_MOUSE

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.