

Mouse anti-Human, Rat TNF-alpha (Tumor Necrosis Factor alpha) Monoclonal Antibody | anti-TNF antibody

TNF-alpha (Tumor Necrosis Factor alpha) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62826	Mouse	Human, Rat	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

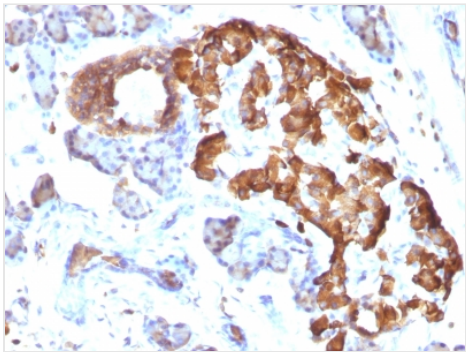
PRODUCT SYNONYMS

TNF-alpha (Tumor Necrosis Factor alpha); Monoclonal Antibody; TNF-alpha (Tumor Necrosis Factor alpha) Mouse Monoclonal Antibody; APC1; Cachectin; Differentiation inducing factor (DIF); Macrophage cytotoxic factor (MCF); Necrosin; TNF alpha; TNF Macrophage Derived; TNF Monocyte Derived; TNF Superfamily Member 2; TNFA; TNFSF2; Tumor necrosis factor ligand superfamily member 2; Tumor Necrosis Factor Precursor; anti-TNF antibody

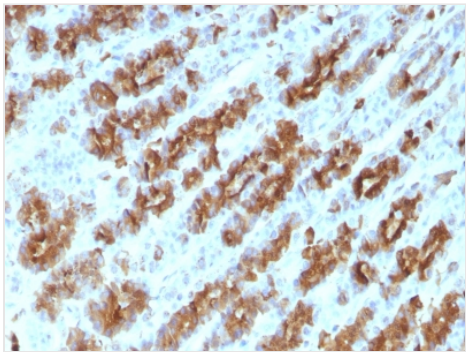
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgM, kappa
Clone Number	TNFA/1172
Specificity	This MAb recognizes human 17-26kDa protein, which is identified as cytokine TNF-alpha (Tumor Necrosis Factor-alpha). TNF-alpha can be expressed as a 17kDa free molecule, or as a 26kDa membrane protein. TNF-alpha is a protein secreted by lipopolysaccharide-stimulated macrophages, and causes tumor necrosis when injected into tumor bearing mice. TNF alpha causes cytolysis of certain transformed cells, being synergistic with interferon gamma in its cytotoxicity. Although it has little effect on many cultured normal human cells, TNF alpha appears to be directly toxic to vascular endothelial cells. Other actions of TNF alpha include stimulating growth of human fibroblasts and other cell lines, activating polymorphonuclear neutrophils and osteoclasts, and induction of interleukin 1, prostaglandin E2 and collagenase production. TNF alpha is currently being evaluated in treatment of certain cancers and AIDS Related Complex.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	233
Applicable Applications for anti-TNF antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic and extracellular (Secreted)
Immunogen	Recombinant full-length human TNF-alpha protein
Hu-Chromosome Location	6p21.33
Positive Control	HeLa, HL-60, or A431 cells. Pancreas or Histiocytoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

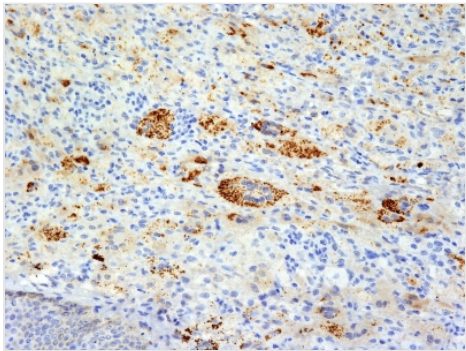
IMAGES



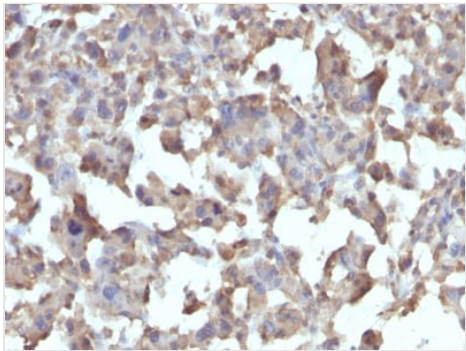
IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Pancreas stained with TNF alpha Monoclonal Antibody (TNFA/1172)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Stomach stained with TNF alpha Monoclonal Antibody (TNFA/1172)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Erdheim Chester disease (also known as xanthogranuloma) stained with TNF alpha Monoclonal Antibody (TNFA/1172).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Histiocytoma stained with TNF alpha Monoclonal Antibody (TNFA/1172)

ADDITIONAL INFORMATION

References	Bebok Z; Markus B; Nemeth P. Prognostic relevance of transforming growth factor alpha (TGF-alpha) and tumor necrosis factor alpha (TNF-alpha) detected in breast cancer tissues by immunohistochemistry. Breast Cancer Research and Treatment, 1994, 29(3):229-35
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25952111
NCBI GeneID	7124
NCBI Accession #	NP_000585.2
NCBI GenBank Nucleotide #	NM_000594.3
UniProt Accession #	P01375; O43647; Q9P1Q2; Q9UIV3
Molecular Weight	17kDa
NCBI Official Full Name	tumor necrosis factor
NCBI Official Synonym Full Names	tumor necrosis factor
NCBI Official Symbol	TNF
NCBI Official Synonym Symbols	DIF; TNFA; TNFSF2; TNLG1F; 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_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/tnf-alpha-tumor-necrosis-factor-alpha-antibody-clone-tnfa-1172-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62826>