

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

Anti-Human TNF-alpha Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA79346	Mouse	Human	Immunohistochemistry, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

TNF-alpha; Monoclonal Antibody; Anti-Human TNF-alpha Purified; anti-TNF-alpha antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, kappa
Clone Number	MAB11
Purity/Purification	The monoclonal antibody was purified utilizing affinity chromatography.
Form/Format	Phosphate-buffered aqueous solution, <=0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
Applicable Applications for anti-TNF-alpha antibody	IHC (Immunohistochemistry), ELISA, FCM/FACS (Flow Cytometry)
Conjugation	Purified
Preparation and Storage	The product should be stored undiluted at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-TNF-alpha antibody	The MAB11 monoclonal antibody specifically reacts with human tumor necrosis factor alpha (TNF-alpha), a 157 amino acid non-glycosylated protein. TNF-alpha is a pleiotropic pro-inflammatory cytokine secreted by various cells including adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. It belongs to the TNF family of ligands and signals through two receptors, TNFR1 and TNFR2. TNF-alpha is cytotoxic to a wide variety of tumor cells and is an essential factor in mediating the immune response against bacterial infections. TNF-alpha also plays a role in the induction of septic shock, auto immune diseases, rheumatoid arthritis, inflammation, and diabetes. The MAB11 antibody was generated from recombinant human TNF and is reported to be a neutralizing antibody.
References	Danis, V. A., Franic, G. M., Rathjen, D. A., & Brooks, P. M. (1991). Effects of granulocyte?macrophage colony?stimulating factor (GM?CSF), IL?2, interferon?gamma (IFN?gamma), tumour necrosis factor?alpha (TNF?alpha) and IL?6 on the production of immunoreactive IL?1 and TNF?alpha by human monocytes. <i>Clinical & Experimental Immunology</i>, 85(1), 143-150. Prussin, C., & Metcalfe, D. D. (1995). Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies. <i>Journal of immunological methods</i>, 188(1), 117-128. Andersen, H., Rossio, J. L., Coalter, V., Poore, B., Martin, M. P., Carrington, M., & Lifson, J. D. (2004). Characterization of rhesus macaque natural killer activity against a rhesus-derived target cell line at the single-cell level. <i>Cellular immunology</i>, 231(1), 85-95.

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.