



## TNF-Alpha Antibody [MAb11]

CATALOG NUMBER: 77-181

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	FACS, IHC
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	The MAb11 monoclonal antibody specifically reacts with human tumor necrosis factor alpha (TNF-alpha), a 157 amino acid non-glycosylated protein.
<b>HOST SPECIES:</b>	Mouse

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
<b>CONCENTRATION:</b>	0.5 mg/mL
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C . Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Mouse IgG1, kappa
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	DIF, TNFA, TNFSF2, TNF-alpha, TNF
<b>OFFICIAL SYMBOL:</b>	TNF
<b>GENE ID:</b>	7124

### Background

<b>BACKGROUND:</b>	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.
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FOR RESEARCH USE ONLY

December 13, 2016