Product datasheet for AM26711PU-N

TNF alpha (TNF) Mouse Monoclonal Antibody [Clone ID: Mab11]

Product data:

Product Type: Primary Antibodies
Clone Name: Mab11
Applications: FC, FN, IF, IHC
Recommend Dilution: Flow cytometry: Intracellular staining
Immunohistochemistry (frozen sections): paraformaldehyde-fixed, saponin-treated frozen tissue sections.
Immunocytochemistry.
Functional application: Neutralization.
Reactivity: Human, Porcine, Primate
Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
Immunogen: Recombinant human TNF-alpha
Specificity: The mouse monoclonal antibody MAb11 recognizes 17-26 kDa cytokine TNF-alpha (tumor necrosis factor alpha).
Formulation: Phosphate buffered saline (PBS)
State: Aff - Purified
State: Liquid Ig fraction
Preservative: 15 mM sodium azide, approx. pH 7.4
Concentration: lot specific
Purification: Protein-A affinity chromatography (> 95% pure by SDS-PAGE)
Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Stability: Shelf life: one year from despatch.
Gene Name: tumor necrosis factor
Database Link: Entrez Gene 7124 Human

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**Background:**

TNF-alpha is a cytokine produced by monocytes, macrophages, neutrophils, NK cells, CD4+ T cells and many transformed cells. It can be expressed as a 17 kDa free molecule, or as a 26 kDa membrane protein. TNF-alpha easily forms stable trimers, but also other multimeric complexes. In the immune system, it is an important regulator, which has cytolytic and cytostatic activity against a range of tumor cells, increases fibroblast proliferation and supports neutrophil chemotaxis and phagocytosis.

**Synonyms:**

TNF, TNF-a, TNFA, TNFSF2, Cachectin