

## 30-2704: Anti-TNF alpha Biotin

<b>Clone Name :</b>	MAb11
<b>Application :</b>	IHC-Fr, ICC, ELISA, FACS
<b>Reactivity :</b>	Pig, Human, Non-Human Primates
<b>Conjugate :</b>	Biotin
<b>Gene ID :</b>	7124
<b>Uniprot ID :</b>	P01375
<b>Alternative Name :</b>	TNFA, DIF, TNLG1F
<b>Isotype :</b>	Mouse IgG1 kappa
<b>Immunogen Information :</b>	Recombinant human TNF-alpha

### Description

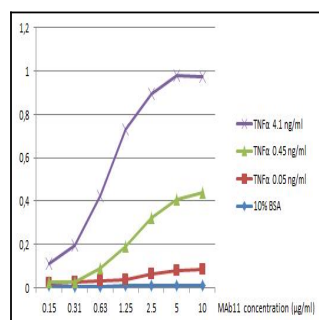
**Specificity :** The mouse monoclonal antibody MAb11 recognizes human 17-26 kDa cytokine TNF-alpha (tumor necrosis factor alpha). TNF-alpha is a cytokine produced by monocytes, macrophages, neutrophils, NK cells, CD4+ T cells and many transformed cells. It can be expressed as a 17 kDa free molecule, 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.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
<b>Content :</b>	1 mg/ml Formulation : Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

**ELISA:** Biotinylated MAb11 can be used as a detection antibody in combination with capture antibody MAb1.  
**Immunohistochemistry (frozen sections):** paraformaldehyde-fixed, saponin-treated frozen tissue sections.  
**Flow cytometry:** Intracellular staining.



ELISA analysis of TNF alpha (0 - 4.1 ng/ml) using capture antibody MAb1 (5 µg/ml) and biotinylated detection antibody MAb11 (0.15 - 10 µg/ml).