
Anti-Human TNF alpha Purified

Catalog Number: 14-7349

Also Known As: Tumor Necrosis Factor alpha

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human TNF alpha Purified

REF **Catalog Number:** 14-7349

Clone: MAb11

Concentration: 0.5 mg/mL


Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

Description

The MAb11 antibody reacts with human tumor necrosis factor-alpha (TNF alpha), a 17 kDa cytokine produced by monocytes, macrophages, neutrophils, NK cells and CD4+ T cells. TN alpha has cytolytic activity against a range of tumor cells and is important in immune regulation. TNF alpha forms dimers and trimers and also exists as a 26 kDa membrane bound form. The MAb11 antibody is a neutralizing antibody.

Applications Reported

MAb11 has been reported for use in detection of human TNF- α by ELISA. It can also be used for intracellular flow cytometric analysis.

Applications Tested

The biotinylated format for this lot of MAb11 has been tested by sandwich ELISA for the detection of human TNF- α in combination with MAb1 and can be used at 1 μ g/ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest

References

Andersen H, Rossio JL, Coalter V, Poore B, Martin MP, Carrington M, Lifson JD. Characterization of rhesus macaque natural killer activity against a rhesus-derived target cell line at the single-cell level. *Cell Immunol.* 2004 Sep-Oct;231(1-2):85-95 (**Mab11**, crossreactivity to rhesus)

Danis VA, Franic GM, Rathjen DA, Brooks PM. Effects of granulocyte-macrophage colony-stimulating factor (GM-CSF), IL-2, interferon-gamma (IFN-gamma), tumor necrosis factor-alpha (TNF-alpha) and IL-6 on the production of immunoreactive IL-1 and TNF-alpha by human monocytes. *Clin Exp Immunol.* 1991 Jul;85(1):143-50.

Rathjen DA, Cowan K, Furphy LJ, Aston R. Antigenic structure of human tumour necrosis factor: recognition of distinct regions of TNF alpha by different tumour cell receptors. *Mol Immunol.* 1991 Jan-Feb;28(1-2):79-86.

Related Products

11-0049 Anti-Human CD4 FITC (RPA-T4)

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)

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