

Anti-Human TNF alpha APC

Catalog Number: 17-7349

Also Known As: Tumor Necrosis Factor alpha, TNF α TNF-a

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

Product Information

Contents: Anti-Human TNF alpha APC


 **Catalog Number:** 17-7349

Clone: MAb11


Concentration: ug size: 0.2 mg/mL; test size: 5 uL (0.125 ug)/test


Host/Isotype: Mouse IgG1, kappa

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

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

 **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 intracellular flow cytometric analysis.

Applications Tested

This MAb11 antibody is offered in 2 formats:

- μ g size: has been tested by intracellular staining and flow cytometric analysis of stimulated human peripheral blood cells. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g)/test of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

- test size: has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated human peripheral blood cells. This can be used at test size: 5 μ L (0.125 μ g)/per test. A test is defined as the amount (μ g)/test of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

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

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.1)

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