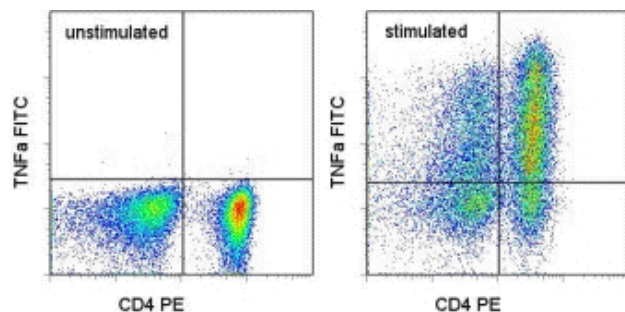


Anti-Human TNF alpha FITC

Catalog Number: 11-7349

Also Known As: Tumor Necrosis Factor alpha

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



Normal human blood peripheral cells were stimulated with PMA/Ionomycin in the presence of Brefeldin A (cat. 00-4506) for 6 hours. Unstimulated (left) or stimulated (right) cells were surface stained with Anti-Human CD3 PE (cat. 12-0038) and intracellularly stained with Anti-Human TNF alpha FITC.

Product Information

Contents: Anti-Human TNF alpha FITC


REF **Catalog Number:** 11-7349

Clone: MAb11


Concentration: ug size: 0.5 mg/mL; test size: Suffix -41, 5 uL (0.5 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.

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 intracellular flow cytometric analysis.

Applications Tested

This MAb11 antibody is offered in 2 formats:

- µg 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 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ 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. Refer to catalog number suffix on the vial for amount to use per test: -41 is 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ 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

00-4506 Brefeldin A Solution (1000X)

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.1)

12-0038 Anti-Human CD3 PE (UCHT1)

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