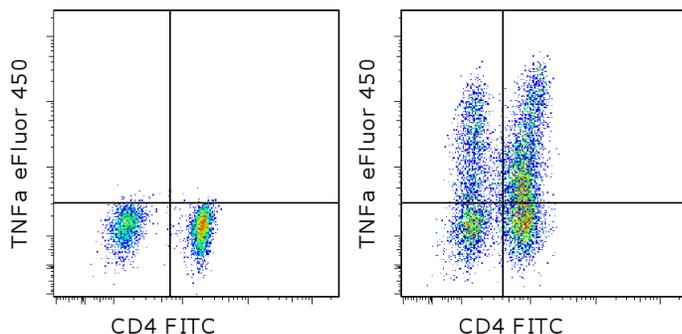


Anti-Human TNF alpha eFluor[®] 450

Catalog Number: 48-7349

Also known as: Tumor Necrosis Factor alpha

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



Intracellular staining of human peripheral blood cells unstimulated (left) or stimulated for 5 hours with PMA/ionomycin and Brefeldin A (right) with Anti-Human CD4 FITC (cat. 11-0048) and Anti-Human TNF alpha eFluor[®] 450. Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human TNF alpha eFluor[®] 450

REF **Catalog Number:** 48-7349

Clone: MAb11

Concentration: 5 μ L (0.5 μ g)/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



LOT



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

This MAb11 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This MAb11 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) 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.

eFluor[®] 450 is a replacement for Pacific Blue[®]. eFluor[®] 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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

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distinct regions of TNF alpha by different tumour cell receptors. Mol Immunol. 1991 Jan-Feb;28(1-2):79-86.

Related Products

11-0048 Anti-Human CD4 FITC (OKT4 (OKT-4))

48-4714 Mouse IgG1 K Isotype Control eFluor[®] 450 (P3.6.2.8.1)

88-8823 Fixation & Permeabilization Buffers

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