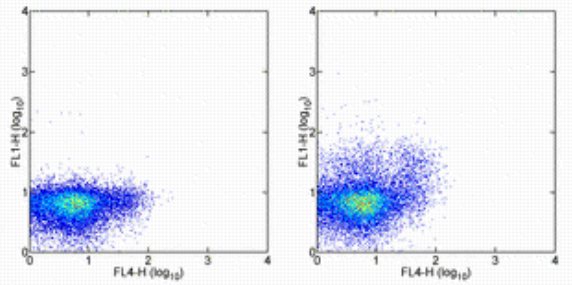
full spectrum cell analysis®
eBioscience®

Anti-Human TNF alpha Alexa Fluor® 488

Catalog Number: 53-7349
Also Known As: Tumor Necrosis Factor alpha
RUO: For Research Use Only. Not for use in diagnostic procedures.



Intracellular staining of 5-hour PMA/Ionomycin stimulated (in the presence of brefeldin A) normal human peripheral blood cells with Anti-Human CD4 APC (cat. 17-0048) and Mouse IgG1 K Isotype Control Alexa Fluor® 488 (cat. 53-4714) (left) or Anti-Human TNF alpha Alexa Fluor® 488 (right). Total cells were used for analysis.

Product Information

Contents: Anti-Human TNF alpha Alexa Fluor® 488
REF **Catalog Number:** 53-7349
Clone: MAb11
Concentration: 5 uL (0.5 µg)/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

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 mononuclear cells. This can be used at 5 µL (0.5 µg)/per test. A test is defined as the amount (µg)/test 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 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

14-7348 Anti-Human TNF alpha Purified (MAb1)
16-7348 Anti-Human TNF alpha Functional Grade Purified (MAb1)
17-0048 Anti-Human CD4 APC (OKT4 (OKT-4))
53-4714 Mouse IgG1 K Isotype Control Alexa Fluor® 488 (P3.6.2.1)
88-7347 Human TNFa (Tumor Necrosis Factor alpha, TNF-alpha, TNF-a) ELISA Ready-SET-Go! Kit (To Be Discontinued. See

replacement item BMS2034)
88-8823 Fixation & Permeabilization Buffers

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