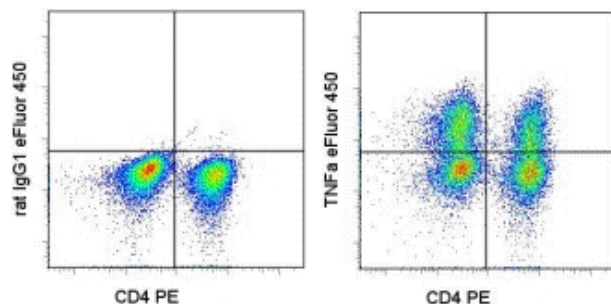


Anti-Mouse TNF alpha eFluor[®] 450 (Pacific Blue[®] replacement)

Catalog Number: 48-7321

Also Known As: Tumor Necrosis Factor alpha

RUO: For Research Use Only



Intracellular staining of Mouse Cytokine Positive Control Cells (cat. 00-4500) with Anti-Mouse CD4 PE (cat. 12-0041) and 0.125 ug of Rat IgG1 K Isotype Control eFluor[®] 450 (cat. 48-4301) (left) or 0.125 ug of Anti-Mouse TNF alpha eFluor[®] 450 (right).

Product Information

Contents: Anti-Mouse TNF alpha eFluor[®] 450 (Pacific Blue[®] replacement)

REF **Catalog Number:** 48-7321

Clone: MP6-XT22

Concentration: 0.2 mg/mL

Host/Isotype: Rat 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 MP6-XT22 antibody reacts with mouse tumor necrosis factor-alpha (TNF alpha), a 17 kDa cytokine produced by monocytes, macrophages, neutrophils, NK cells and CD4(+) T cells. TNF 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.

Applications Reported

This MP6-XT22 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

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

Applications Tested

This MP6-XT22 antibody has been tested intracellular staining and flow cytometric analysis of restimulated mouse splenocytes. This can be used at less than or equal to 0.25 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.

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

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Hunter CA, Litton MJ, et al. Immunocytochemical detection of cytokines in the lymph nodes and brains of mice resistant or susceptible to toxoplasmic encephalitis. *J Infect Dis.* 1994. 170(4): 939-45.

Litton MJ, Sander B, et al. Early expression of cytokines in lymph nodes after treatment in vivo with Staphylococcus enterotoxin B. *J Immunol Methods* 1994. 175(1): 47-58.

Abrams JS, Roncarolo MG, et al. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. Immunol Rev. 1992. 127: 5-24.

Related Products

00-4500 Mouse Cytokine Positive Control Cells
12-0041 Anti-Mouse CD4 PE (GK1.5)
48-4301 Rat IgG1 K Isotype Control eFluor® 450

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