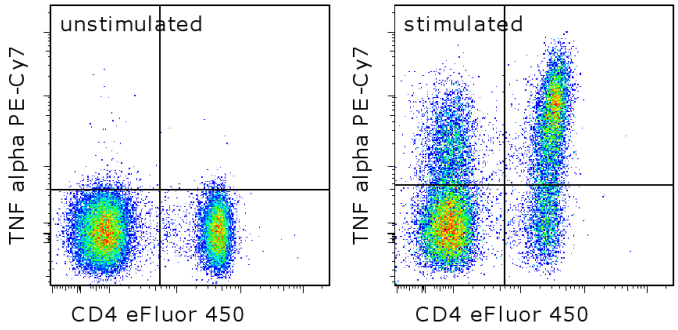
Anti-Mouse TNF alpha PE-Cyanine7

Catalog Number: 25-7321
Also known as: Tumor Necrosis Factor alpha
RUO: For Research Use Only. Not for use in diagnostic procedures.



Mouse splenocytes were unstimulated (left) or stimulated with Cell Stimulation Cocktail (plus protein transport inhibitors) (cat. 00-4975) (right) for 5 hours. Cells were fixed and permeabilized and stained with Anti-Mouse CD4 eFluor® 450 (cat. 48-0041) and 0.06 ug of Rat IgG1 K Isotype Control PE-Cyanine7 (cat. 25-4301) or 0.06 ug of Anti-Mouse TNF alpha PE-Cyanine7. Viable cells as determined Fixable Viability Dye eFluor® 780 (cat. 65-0865) in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse TNF alpha PE-Cyanine7
REF **Catalog Number:** 25-7321
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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Contains sodium 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.

Applications Tested

This MP6-XT22 antibody has been tested by intracellular staining and flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 0.125 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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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
00-4975 Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)
00-8222 IC Fixation Buffer
00-8333 Permeabilization Buffer (10X)
25-4301 Rat IgG1 K Isotype Control PE-Cyanine7
48-0041 Anti-Mouse CD4 eFluor® 450 (GK1.5)
65-0865 Fixable Viability Dye eFluor® 780
88-8823 Intracellular Fixation & Permeabilization Buffer (plus Brefeldin A) (previously named IC Fixation & Permeabilization Buffer)

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