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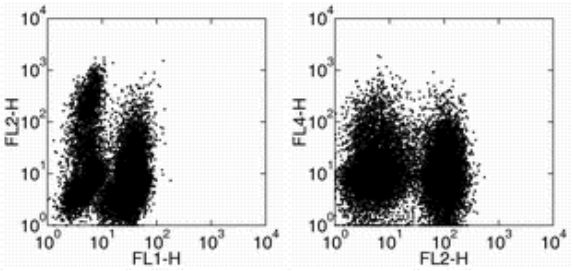
Anti-Mouse TNF alpha Purified

Catalog Number: 14-7321
Also Known As: Tumor Necrosis Factor alpha
RUO: For Research Use Only



Mouse splenocytes were stimulated with ConA for 2 days, followed by IL-2 and IL-4 for 3 days, and restimulated with immobilized Anti-Mouse CD3 Functional Grade Purified (cat. 16-0031) and soluble Anti-Mouse CD28 Functional Grade Purified (cat. 16-0281) in the presence of Brefeldin A for 5 hours. The cells were surface stained with Anti-Mouse CD4 FITC (cat. 11-0041) and intracellularly stained with Anti-Mouse TNF alpha PE. (right). The cells were surface stained with Anti-Mouse CD4 PE (cat 12-0041) and intracellularly stained with Anti-Mouse TNF alpha APC.

Product Information

Contents: Anti-Mouse TNF alpha Purified
REF **Catalog Number:** 14-7321
Clone: MP6-XT22
Concentration: 0.5 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.
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, and immunohistology staining of frozen tissue sections. (Fluorochrome conjugated MP6-XT22 is recommended for use in intracellular flow cytometry.)

Applications Tested

The MP6-XT22 antibody has been tested to block staining with fluorochrome conjugated MP6-XT22. This can be used at less than or equal to 2 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.

References

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

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

Chackerian B, Lowy DR and Schiller JT. 2001. Conjugation of a self-antigen to papillomavirus-like particles allows for efficient induction of protective autoantibodies. J Clin Invest. 108(3):415-23. (IHC frozen, PubMed)

Williams RO, Mauri C, et al. 1998. Therapeutic actions of cyclosporine and anti-tumor necrosis factor alpha in collagen-induced arthritis and the effect of combination therapy. Arthritis Rheum. 41(10):1806-12. (IHC frozen, PubMed)

Related Products

11-0041 Anti-Mouse CD4 FITC (GK1.5)
12-0041 Anti-Mouse CD4 PE (GK1.5)

13-7341 Anti-Mouse/Rat TNF alpha Biotin (Polyclonal)
14-4301 Rat IgG1 K Isotype Control Purified

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