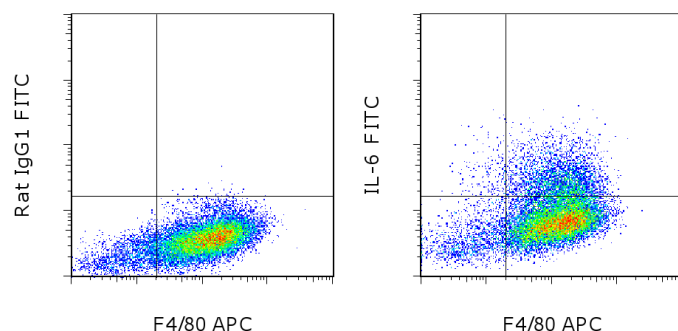


Anti-Mouse IL-6 FITC

Catalog Number: 11-7061

Also known as: Interleukin-6

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



Mouse thioglycolate-induced peritoneal exudate cells were stimulated with LPS in the presence of Brefeldin A (cat. 00-4506) overnight. The cells were surface stained with Anti-Mouse F4/80 Antigen APC (cat. 17-4801) and intracellularly stained with 0.25 ug of Rat IgG1 K Isotype Control FITC (left) or 0.25 ug of Anti-Mouse IL-6 FITC (right). Total events were used for analysis.

Product Information



Contents: Anti-Mouse IL-6 FITC

Catalog Number: 11-7061

Clone: MP5-20F3

Concentration: ug size: 0.5 mg/mL; test size: 5 uL (0.25 ug)/test

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.

Batch Code: Refer to vial

Use By: Refer to vial

Caution, contains Azide

Description

The MP5-20F3 antibody reacts with mouse interleukin-6 (IL-6). The MP5-20F3 antibody is a neutralizing antibody. Mouse IL-6 (also known as B Cell Stimulating Factor, BCSF, and BSF-2) is a 21-28 kDa factor produced by a variety of cell types, including monocytes, fibroblasts and endothelial cells. Upon stimulation, macrophages, T, B, mast, and glial cells, eosinophils, keratinocytes and granulocytes also secrete IL-6. This pleiotrophic cytokine influences the antigen-specific immune response, inflammatory response, and the development of neurons, and is a major mediator of the acute phase reaction.

Applications Reported

This MP5-20F3 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This MP5-20F3 antibody is offered in 2 formats:

- μ g size: has been tested by intracellular staining with flow cytometric analysis. This can be used at less than or equal to 0.5 μ g per test. A test is defined as the amount (μ g)/test 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

- test size: has been pre-titrated and tested by intracellular staining for flow cytometric analysis. This can be used at test size: 5 μ L (0.25 μ g)/per test. A test is defined as the amount (μ g)/test 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. The pre-titrated test size contains 0.2% BSA.

References

Sander B, Höiden I, Andersson U, Möller E, Abrams JS. Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen. Cytokine detection by immunoassay and intracellular immunostaining. J Immunol Methods. 1993 Dec 3;166(2):201-14.

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Starnes HF, Pearce M, Yim J, Abrams J, Tewari A, Zou J. Anti-IL-6 monoclonal antibodies protect against lethal Escherichia coli infection and lethal tumor necrosis factor-alpha challenge in mice. J Immunol. 1992 Mar 15;148(6):1968.

Related Products

00-4506 Brefeldin A Solution (1000X)

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)

11-4301 Rat IgG1 K Isotype Control FITC

14-8061 Mouse IL-6 Recombinant Protein

17-4801 Anti-Mouse F4/80 Antigen APC (BM8)

88-8823 Intracellular Fixation & Permeabilization Buffer (plus Brefeldin A) (previously named IC Fixation & Permeabilization Buffer)