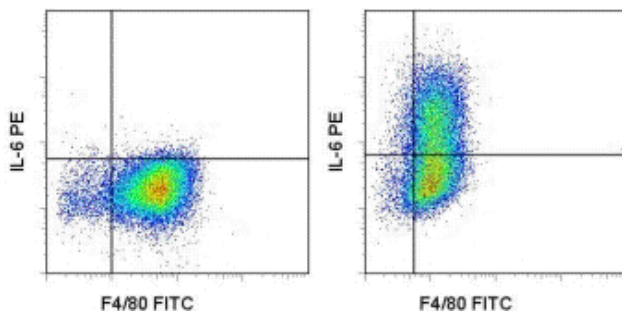


Anti-Mouse IL-6 PE

Catalog Number: 12-7061

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 for 6 hours (right) or unstimulated (left). The cells were surface stained with Anti-Mouse F4/80 Antigen FITC (cat. 11-4801) and intracellularly stained with Anti-Mouse IL-6 PE.

Product Information

Contents: Anti-Mouse IL-6 PE


REF **Catalog Number:** 12-7061

Clone: MP5-20F3

Concentration: ug size: 0.2 mg/mL; test size: 5 uL (0.125 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

 **Contains sodium 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 and flow cytometric analysis of stimulated peritoneal macrophages. This can be used at less than or equal to 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. 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 and flow cytometric analysis of stimulated peritoneal macrophages. This can be used at test size: 5 μ l (0.125 μ g)/per test The pre-titrated test size contains BSA and/or gelatin for protein stabilization.

References

Sander B, Hödén 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.

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)

11-4801 Anti-Mouse F4/80 Antigen FITC (BM8)

12-4301 Rat IgG1 K Isotype Control PE

53-7172 Anti-Mouse IL-17A Alexa Fluor® 488 (eBioTC11-18H10.1)

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

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