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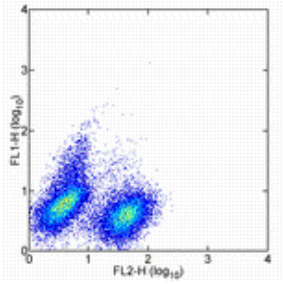
Anti-Mouse IL-10 FITC

Catalog Number: 11-7101
Also Known As: Interleukin-10, IL10
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 0.25 µg of Anti-Mouse IL-10 FITC.

Product Information

Contents: Anti-Mouse IL-10 FITC
REF **Catalog Number:** 11-7101
Clone: JES5-16E3
Concentration: µg size: 0.5 mg/ml; test size: 20 µl (0.25 µg)/test
Host/Isotype: Rat IgG2b, κ

Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN_3
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 JES5-16E3 antibody reacts with mouse interleukin-10 (IL-10). Mouse IL-10 is an ~18 kDa factor also known as Cytokine Synthesis Inhibitory Factor (CSIF). In the mouse, Th2 cells, B1 cells, macrophages, and keratinocytes are the major cell subsets that produce IL-10. IL-10 inhibits synthesis of Th1 cytokines and proliferation of T cells, and acts as a costimulatory signal for mast cells, developing thymocytes and the Th2 response.

Applications Reported

For research use only, not for diagnostic or therapeutic use. The JES5-16E3 antibody has been reported for use in capture of mouse IL-10 by ELISA and ELISPOT, intracellular staining for flow cytometric analysis, IHC, and neutralization of IL-10 bioactivity.

Applications Tested

This JES5-16E3 antibody is offered in 2 formats:

- µg size: has been tested by intracellular staining with flow cytometric analysis of cultured mouse splenocytes. This can be used at less than or equal to 0.5 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.

- test size: has been pre-titrated and tested by intracellular staining for flow cytometric analysis. This can be used at 20 µl (0.25µg) per test in a 100 µl total staining volume. The pre-titrated test size contains BSA and/or gelatin for protein stabilization.

References

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Finkelman, F., S. Morris, T. Orekhova, and D. Sehy. 2003. The In Vivo Cytokine Capture Assay for measurement of cytokine production in the mouse. In Current Protocols in Immunology. Unit 6.28. J. Coligan, A. Kruisbeek, D. Margulies, E. Shevach, and W. Strober, eds. John Wiley and Sons, New York.
Finkelman, F.D., and S.C. Morris. 1999. Development of an assay to measure in vivo cytokine production in the mouse. Int. Immunology. 11: 1811-1818.

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