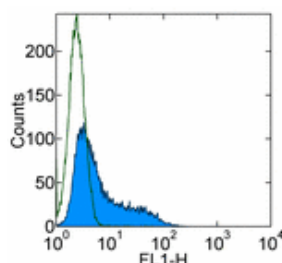


Anti-Mouse IL-10 Alexa Fluor® 488

Catalog Number: 53-7101

Also Known As: Interleukin-10, IL10

RUO: For Research Use Only



Intracellular staining of Mouse Cytokine Positive Control Cells (cat. 00-4500) with 0.25 µg of Anti-Mouse IL-10 Alexa Fluor® 488 (filled histogram) or autofluorescence (open histogram). Total cells were used for analysis.

Product Information

Contents: Anti-Mouse IL-10 Alexa Fluor® 488


REF Catalog Number: 53-7101

Clone: JES5-16E3


Concentration: 0.5 mg/ml


Host/Isotype: Rat IgG2b, κ

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.

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

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

The Alexa Fluor® 488 conjugated JES5-16E3 antibody has been tested by intracellular immunofluorescent staining with flow cytometric analysis and can be used at less than or equal to 0.50 µg per million cells in 100 µl volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

- Sander, B., I. Hoiden, et al. 1993. Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen. Cytokine detection by immunoassay and intracellular immunostaining. *J Immunol Meth.* 1662: 201-14.
- Abrams, J. 1995. Immunoenzymetric assay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies. In *Current Protocols in Immunology*. A. Kruisbeek eds. Wiley-Interscience, New York. Unit 6.20.1.
- Finkelman, F., S. Morris, T. Orekhova, and D. Sehly. 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.

Related Products

13-7102 Anti-Mouse IL-10 Biotin (JES5-2A5)

16-7102 Anti-Mouse IL-10 Functional Grade Purified (JES5-2A5)

88-7904 Mouse IL-10 (Interleukin-10, IL10) ELISA Ready-SET-Go! Kit (See replacement item BMS614/2)

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