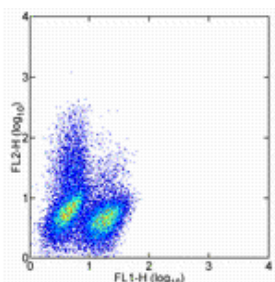


Anti-Mouse IL-10 PE

Catalog Number: 12-7101

Also Known As: Interleukin-10, IL10

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



Intracellular staining of restimulated BALB/c splenocytes with Anti-Mouse CD4 FITC (cat. 11-0041) and 0.125 ug of Anti-Mouse IL-10 PE (right).

Product Information

Contents: Anti-Mouse IL-10 PE

REF **Catalog Number:** 12-7101

Clone: JES5-16E3


Concentration:

(ug): 0.2 mg/mL

(test*): 5 uL (0.125 ug)/test


Host/Isotype: Rat IgG2b, 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.

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

This JES5-16E3 antibody is tested by intracellular staining and flow cytometric analysis of cultured mouse splenocytes. It is offered in 2 formats:

- µg size: has been tested by intracellular staining and flow cytometric analysis of cultured mouse splenocytes. This can be used at less than or equal to 0.25 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 10⁵ to 10⁸ 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 cultured mouse splenocytes. This can be used at 5 µL (0.125 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 10⁵ to 10⁸ cells/test.

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. 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.

Related Products

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

12-4031 Rat IgG2b K Isotype Control PE

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com