

Anti-Mouse IL-10 APC


Catalog Number: 17-7101

Also Known As: Interleukin-10, IL10

RUO: For Research Use Only

Product Information

Contents: Anti-Mouse IL-10 APC


 Catalog Number: 17-7101

Clone: JES5-16E3

Concentration: 0.2 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.

 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 JES5-16E3 antibody has been tested by intracellular staining with flow cytometric analysis and can be used at less than or equal to 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. 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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