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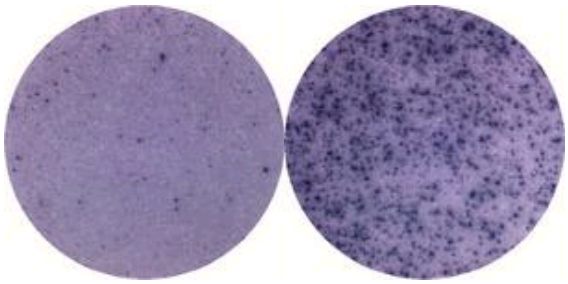
Anti-Mouse IL-10 Purified

Catalog Number: 14-7101
Also Known As:Interleukin-10, IL10
RUO: For Research Use Only



Mouse splenocytes (500,000 cells per well) were activated with LPS (1 µ/ml) for 48 hrs in Mouse IL-10 ELISPOT assay. Control well is medium alone.

Product Information

Contents: Anti-Mouse IL-10 Purified
REF Catalog Number: 14-7101
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.
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 JES5-16E3 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of mouse Interleukin-10 (IL-10) in combination with the biotin JES5-2A5 (13-7102) antibody for detection and recombinant mouse IL-10 (14-8101) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 µg/ml. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 4000 pg/ml - 30 pg/ml should be included in each ELISA plate.

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

00-4202 ELISA Diluent Solution (5X)
00-4203 Super AquaBlue ELISA Substrate
13-7102 Anti-Mouse IL-10 Biotin (JES5-2A5)
14-8101 Mouse IL-10 Recombinant Protein
18-4100 Avidin HRP
44-2404 Nunc MaxiSorp® flat-bottom 96 well plate

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