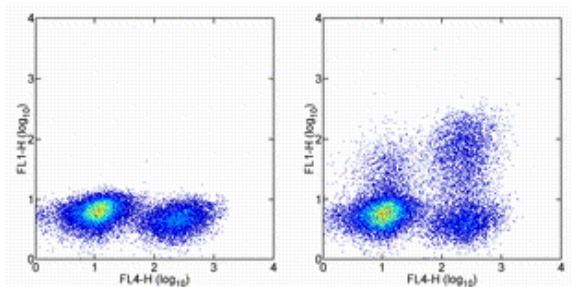


Anti-Mouse IL-2 Alexa Fluor® 488

Catalog Number: 53-7021

Also Known As: Interleukin-2

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



Intracellular staining of Mouse Cytokine Positive Control Cells (cat. 00-4500) with Anti-Mouse CD4 APC and buffer (left) or Anti-Mouse IL-2 Alexa Fluor® 488 (right).

Product Information

Contents: Anti-Mouse IL-2 Alexa Fluor® 488

REF **Catalog Number:** 53-7021

Clone: JES6-5H4

Concentration: 0.5 mg/mL

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 JES6-5H4 antibody reacts with mouse interleukin-2 (IL-2), a 17 kDa T cell growth factor and a major immunoregulatory cytokine.

Applications Reported

The JES6-5H4 antibody has been reported useful for ELISA, ELISPOT, neutralization, and intracellular staining for flow cytometric analysis.

Applications Tested

The Alexa Fluor® 488 JES6-5H4 antibody has been tested by intracellular staining and flow cytometric analysis and 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.

References

Finkelman FD, Morris SC. Development of an assay to measure in vivo cytokine production in the mouse. *Int Immunol.* 1999 Nov;11(11):1811-8.

Sander B, Höidéén I, Andersson U, Möller E, Abrams JS. Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen. Cytokine detection by immunoassay and intracellular immunostaining. *J Immunol Methods.* 1993 Dec 3;166(2):201-14.

Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, Silver JE. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev.* 1992 Jun;127:5-24.

Related Products

00-4500 Mouse Cytokine Positive Control Cells

14-7022 Anti-Mouse IL-2 Purified (JES6-1A12)

16-7022 Anti-Mouse IL-2 Functional Grade Purified (JES6-1A12)

53-4031 Rat IgG2b K Isotype Control Alexa Fluor® 488

88-7024 Mouse IL-2 ELISA Ready-SET-Go!®

88-7924 Mouse IL-2 (Interleukin-2, IL2) ELISA Ready-SET-Go! Kit (See replacement item BMS601)

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