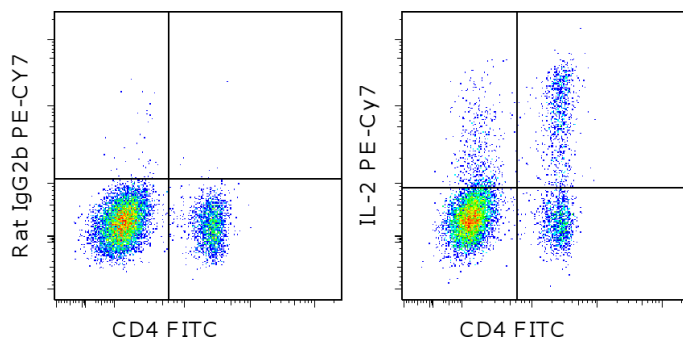


## Anti-Mouse IL-2 PE-Cyanine7

**Catalog Number:** 25-7021

**Also known as:** Interleukin-2

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



Surface staining of mouse splenocytes stimulated with PMA/Ionomycin in the presence of Monensin with Anti-Mouse CD4 FITC (cat. 11-0042), followed by intracellular staining with 1.0 ug of Rat IgG2b K Isotype Control PE-Cyanine7 (cat. 25-4031) (left) or 1.0 ug of Anti-Mouse IL-2 PE-Cyanine7 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information



**Contents:** Anti-Mouse IL-2 PE-Cyanine7

**Catalog Number:** 25-7021

**Clone:** JES6-5H4

**Concentration:** 0.2 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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



**Batch Code:** Refer to vial



**Use By:** Refer to vial

**Contains sodium 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

This JES6-5H4 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

### Applications Tested

This JES6-5H4 antibody has been tested by intracellular staining and flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 1 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Light sensitivity:** This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

**Fixation:** Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

### 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.

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Sander B, Höidén 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

11-0042 Anti-Mouse CD4 FITC (RM4-5)

25-4031 Rat IgG2b K Isotype Control PE-Cyanine7

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