

IL-2 Monoclonal Antibody (JES6-5H4), APC-eFluor™ 780, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), APC-eFluor™ 780, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES6-5H4
Conjugate	APC-eFluor™ 780
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2815172

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	1 Publication

Product Specific Information

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 followed flow cytometric analysis of stimulated mouse splenocytes using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol. Please refer to "Staining Intracellular Antigens for Flow Cytometry, Protocol A: Two step protocol for intracellular (cytoplasmic) proteins" located at www.thermofisher.com/flowprotocols. This may 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.

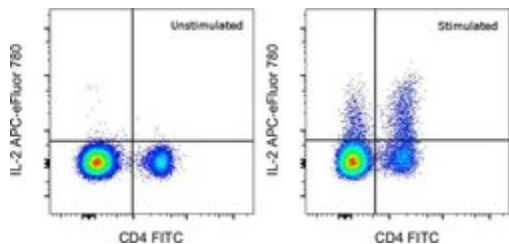
APC-eFluor 780 emits at 780 nm and is excited with the Red laser (633-647 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 μ L of cell sample + 100 μ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) 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.

Excitation: 633-647 nm; Emission: 780 nm; Laser: Red Laser

Product Images For IL-2 Monoclonal Antibody (JES6-5H4), APC-eFluor™ 780, eBioscience™



IL-2 Antibody (47-7021-82) in Flow

C57BL/6 mouse splenocytes were unstimulated (left) or stimulated for 5 hours with the Cell Stimulation Cocktail (plus protein transport inhibitors) (Product # 00-4975-03) (right). Cells were then stained intracellularly, using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol, with CD4 Monoclonal Antibody, FITC (Product # 11-0041-82) and 0.125 μ g of IL-2 Monoclonal Antibody, APC-eFluor 780. Viable cells in the lymphocyte gate were used for analysis, as determined by Fixable Viability Dye eFluor 450 (Product # 65-0863-18).

[View more figures on thermofisher.com](#)

1 Reference

Flow Cytometry (1)

Vaccines

Synthetic DNA Vaccines Adjuvanted with pIL-33 Drive Liver-Localized T Cells and Provide Protection from *Plasmodium* Challenge in a Mouse Model.

"Published figure using IL-2 monoclonal antibody (Product # 47-7021-82) in Flow Cytometry"

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Species
Not Applicable

Dilution
Not Cited

Year
2020

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