

IL-2 Monoclonal Antibody (JES6-5H4), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES6-5H4
Conjugate	PerCP-Cyanine5.5
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_925755

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	7 Publications

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.

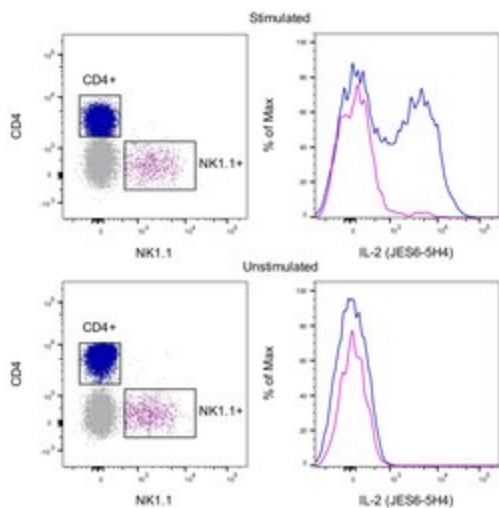
Applications Reported: This JES6-5H4 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This JES6-5H4 antibody has been tested by intracellular staining and flow cytometric analysis of stimulated mouse splenocytes. This 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.

Excitation: 488 nm; **Emission:** 695 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

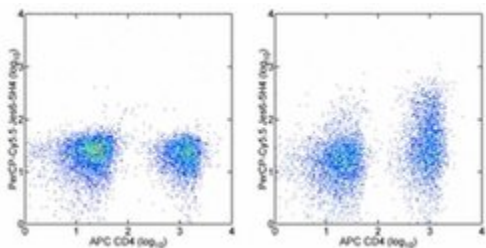
Advanced Verification Data



IL-2 Antibody (45-7021-82)

Intracellular staining of stimulated mouse splenocytes. As expected based on known expression patterns, IL-2 clone JES6-5H4 stains a large subset of CD4+ T cells and a minor subset of NK1.1+ NK cells with no staining observed without stimulation. Details: Mouse splenocytes were cultured in the presence of Protein Transport Inhibitors (500X) (Unstimulated, bottom row) or Cell Stimulation Cocktail (plus protein transport inhibitors, 500X) for 5 hours (Stimulated, top row). Cells were fixed and permeabilized with the IC Fixation and Permeabilization Buffer Set and protocol followed by intracellular staining with CD4 (clone RM4-5), NK1.1 (clone PK136) and IL-2 (clone JES6-5H4). Cells in the CD4+ (blue histogram) or NK1.1+ (purple histogram) gates were used for analysis. Cell treatment validation info.

Product Images For IL-2 Monoclonal Antibody (JES6-5H4), PerCP-Cyanine5.5, eBioscience™



IL-2 Antibody (45-7021-82) in Flow

Mouse splenocytes were unstimulated (left) or stimulated with PMA/Ionomycin in the presence of Brefeldin A (right) overnight, and then surface stained with Anti-Mouse CD4 APC (Product # 17-0041-82), followed by intracellular staining with 0.06 µg of Anti-Mouse IL-2 PerCP-Cyanine5-5. Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

7 References

Flow Cytometry (7)

Human vaccines and immunotherapeutics

Immunogenicity and protective efficacy of DMT liposome-adjuvanted tuberculosis subunit CTT3H vaccine.

"Published figure using IL-2 monoclonal antibody (Product # 45-7021-82) in Flow Cytometry"

Authors: Teng X, Tian M, Li J, Tan S, Yuan X, Yu Q, Jing Y, Zhang Z, Yue T, Zhou L, Fan X

Species
Not Applicable

Dilution
Not Cited

Year
2016

Nature communications

Tristetraprolin inhibits macrophage IL-27-induced activation of antitumour cytotoxic T cell responses.

"Published figure using IL-2 monoclonal antibody (Product # 45-7021-82) in Flow Cytometry"

Authors: Wang Q, Ning H, Peng H, Wei L, Hou R, Hoft DF, Liu J

Species
Not Applicable

Dilution
Not Cited

Year
2017

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More applications with references on thermofisher.com

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