

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

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES6-5H4
Conjugate	APC
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_469490

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	27 Publications
ELISA (ELISA)	-	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.

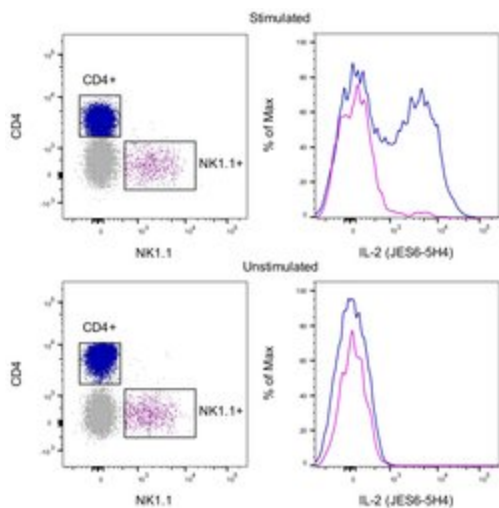
Applications Reported: JES6-5H4 has been reported for use in intracellular flow cytometric analysis.

Applications Tested: This JES6-5H4 antibody has been tested intracellular staining of stimulated mouse splenocytes. This 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.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

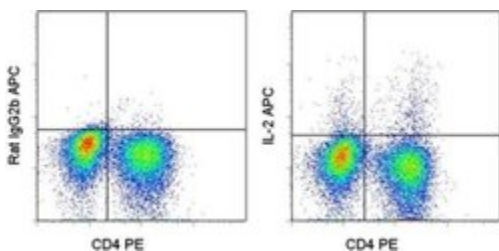
Advanced Verification Data



IL-2 Antibody (17-7021-82)

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 & 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), APC, eBioscience™



IL-2 Antibody (17-7021-82) in Flow

Mouse splenocytes were stimulated with PMA/Ionomycin in the presence of Monensin, then surface stained with Anti-Mouse CD4 PE (Product # 12-0041-82), followed by intracellular staining with with 0.125 µg of Rat IgG2b K Isotype Control APC (Product # 17-4031-82) (left) or 0.125 µg of Anti-Mouse IL-2 APC (right). Total viable cells were used for analysis.

View more figures on thermofisher.com

28 References

Flow Cytometry (27)

Frontiers in immunology

Rescuing ESAT-6 Specific CD4 T Cells From Terminal Differentiation Is Critical for Long-Term Control of Murine Mtb Infection.

"17-7021-81 was used in Flow Cytometry to show long term control of murine mycobacterium tuberculosis infection is facilitated by rescue of ESAT-6 specific CD4 T cells."

Authors: Clemmensen HS,Knudsen NPH,Billeskov R,Rosenkrands I,Jungersen G,Aggaard C,Andersen P,Mortensen R

Species
Mouse

Dilution
Not Cited

Year
2021

Vaccines

Local Sustained GM-CSF Delivery by Genetically Engineered Encapsulated Cells Enhanced Both Cellular and Humoral SARS-CoV-2 Spike-Specific Immune Response in an Experimental Murine Spike DNA Vaccination Model.

"17-7021-82 was used in Flow Cytometry to investigate whether murine Granulocyte-macrophage colony-stimulating factor (GM-CSF) represents a suitable adjuvant for SARS-CoV-2 immunization."

Authors: Vernet R,Charrier E,Cosset E,Fièvre S,Tomasello U,Grogg J,Mach N

Species
Mouse

Dilution
Not Cited

Year
2021

[View more Flow references on thermofisher.com](#)

ELISA (1)

Scientific reports

Epstein-Barr virus latent membrane protein 2A exacerbates experimental autoimmune encephalomyelitis and enhances antigen presentation function.

"17-7021 was used in an ELISpot assay to investigate the Epstein-Barr virus as a possible etiological agent involved in multiple sclerosis."

Authors: Chang RA,Miller SD,Longnecker R

Species
Mouse

Dilution
Not Cited

Year
2013

More applications with references on thermofisher.com

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