

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

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	JES6-5H4
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_468404

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	Assay-Dependent	37 Publications
ELISA (ELISA)	-	7 Publications
Immunoprecipitation (IP)	Assay-Dependent	-
Functional Assay (FN)	-	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: The purified JES6-5H4 has been reported for use in blocking of fluorochrome conjugated JES6-5H4 in intracellular flow cytometry experiments to serve as specificity control. JES6-5H4 is reported for detection of mouse IL-2 by ELISA, immunoprecipitation, and for neutralizing IL-2 binding and biological activity (use Functional Grade purified).

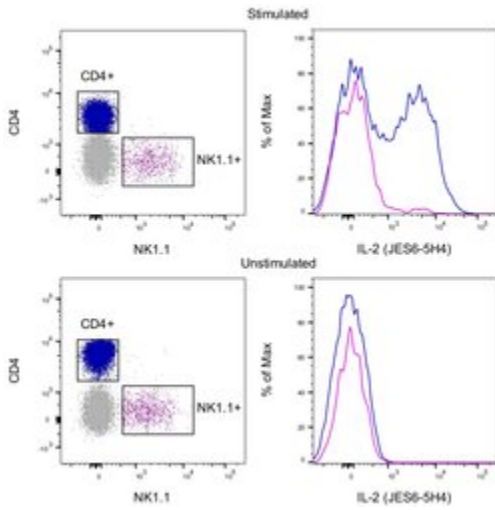
Applications Tested: The JES6-5H4 antibody has been tested by sandwich ELISA for detection of mouse IL-2 in combination with JES6-1A12 and can be used between 0.5-2 µg/mL.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

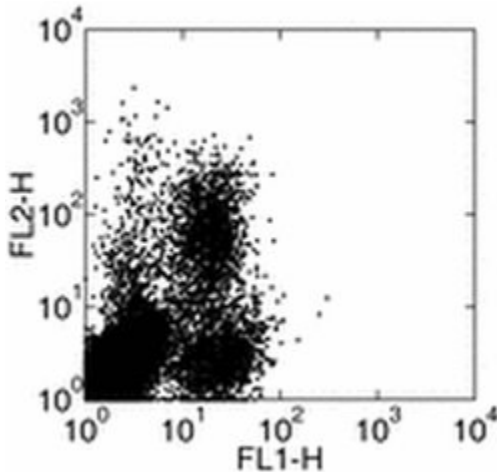
Advanced Verification Data



IL-2 Antibody (14-7021-81)

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), eBioscience™



IL-2 Antibody (14-7021-81) in Flow

Staining of mouse splenocytes were stimulated with PMA/Ionomycin in the presence of Brefeldin A for 5 hours with Anti-Mouse CD4 FITC (Product # 11-0041-82) and intracellularly stained with Anti-Mouse IL-2 PE.

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

Immunohistochemistry (1)

The Journal of neuroscience : the official journal of the Society for Neuroscience

Impaired Dendritic Development and Memory in Sorbs2 Knock-Out Mice.

"14-7021 was used in Immunohistochemistry to study the neurobiological function of SORBS2 in the brain."

Authors: Zhang Q,Gao X,Li C,Feliciano C,Wang D,Zhou D,Mei Y,Monteiro P,Anand M,Itoharu S,Dong X,Fu Z,Feng G

Species
Mouse

Dilution
Not Cited

Year
2016

Immunocytochemistry (1)

Immunity

Cellular mechanisms of fatal early-onset autoimmunity in mice with the T cell-specific targeting of transforming growth factor-beta receptor.

"14-7021 was used in Immunocytochemistry to demonstrate that TGF-beta signalling in T cells is crucial to restrain fatal autoimmune processes."

Authors: Marie JC,Liggitt D,Rudensky AY

Species
Mouse

Dilution
Not Cited

Year
2006

Flow Cytometry (37)

Oncoimmunology

Critical role of post-transcriptional regulation for IFN- in tumor-infiltrating T cells.

"14-7021 was used in Flow cytometry/Cell sorting to conclude that post-transcriptional mechanisms could be modulated to potentiate effective T cell therapies in cancer."

Authors: Salerno F,Guislain A,Freen-Van Heeren JJ,Nicolet BP,Young HA,Wolkers MC

Species
Mouse

Dilution
Not Cited

Year
2021

Nature communications

TNIK signaling imprints CD8⁺ T cell memory formation early after priming.

"14-7021-81 was used in Flow Cytometry to analyse the role of the TRAF2-/NCK-interacting kinase (TNIK), a signaling molecule downstream of the tumor necrosis factor superfamily receptors such as CD27, in the regulation of CD8+ T cell fate during acute infection with lymphocytic choriomeningitis virus."

Authors: Jaeger-Ruckstuhl CA,Hinterbrandner M,Höpner S,Correnti CE,Lüthi U,Friedli O,Freigang S,Al Sayed MF, Bührer ED,Amrein MA,Schürch CM,Radpour R,Riether C,Ochsenbein AF

Species
Mouse

Dilution
Not Cited

Year
2020

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ELISA (7) FN (1)

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