

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

## Product Details

|                             |  |
|-----------------------------|--|
| Size                        | 50 µg  |
| Species Reactivity          | Mouse  |
| Published Species           | Mouse, Human   |
| Host/Isotype                | Rat / IgG2b, kappa   |
| Recommended Isotype Control | Rat IgG2b kappa Isotype Control (eB149/10H5), Biotin, eBioscience™ |
| Class                       | Monoclonal   |
| Type                        | Antibody   |
| Clone                       | JES6-5H4   |
| Conjugate                   | Biotin   |
| 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, do not freeze  |
| RRID                        | AB_466898  |

| Applications             | Tested Dilution | Publications    |
|--------------------------|-----------------|-----------------|
| Flow Cytometry (Flow)    | Assay-dependent | 21 Publications |
| ELISA (ELISA)            | 0.5-2 µg/mL     | 19 Publications |
| Immunoprecipitation (IP) | Assay-Dependent | -               |

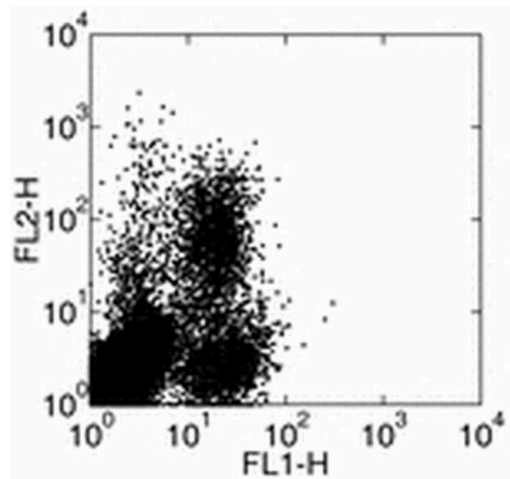
## Product Specific Information

**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 detection of mouse IL-2 by ELISA, intracellular staining and flow cytometric analysis, immunoprecipitation, and for neutralizing IL-2 binding and biological activity.

**Applications Tested:** The JES6-5H4 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of mouse Interleukin-2 (IL-2) in combination with the purified JES6-1A12 (14-7022) antibody for capture and recombinant mouse IL-2 (14-8021) as the standard. A suitable range of concentrations of this antibody for ELISA detection is 0.5-2 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 500 pg/mL - 4 pg/mL should be included in each ELISA plate.

**Filtration:** 0.2 µm post-manufacturing filtered.



**IL-2 Antibody (13-7021-81) in Flow**  
Staining of mouse splenocytes stimulated with PMA/Ionomycin in the presence of Brefeldin A for 5 hours with Anti-Mouse CD4 FITC (Product # 11-0041-82) followed by intracellularly stained with Anti-Mouse IL-2 PE.

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

## Flow Cytometry (21)

|  |                      |
|--|----------------------|
| <p>JCI insight</p> <p><b>Impaired Treg-DC interactions contribute to autoimmunity in leukocyte adhesion deficiency type 1.</b></p> <p>"Published figure using IL-2 monoclonal antibody (Product # 13-7021-81) in Flow Cytometry"</p> <p>Authors: Klaus T,Wilson AS,Vicari E,Hadaschik E,Klein M,Helbich SSC,Kamenjarin N,Hodapp K,Schunke J,Haist M,Butsch F,Probst HC,Enk AH,Mahnke K,Waisman A,Bednarczyk M,Bros M,Bopp T,Grabbe S</p> | <p>Year<br/>2022</p> |
| <p>Cell &amp; bioscience</p> <p><b>In vivo genome-wide CRISPR screening identifies ZNF24 as a negative NF-B modulator in lung cancer.</b></p> <p>"Published figure using IL-2 monoclonal antibody (Product # 13-7021-81) in Flow Cytometry"</p> <p>Authors: Liu L,Lei Y,Chen W,Zhou Q,Zheng Z,Zeng G,Liu W,Feng P,Zhang Z,Yu L,Chen L</p>  | <p>Year<br/>2022</p> |

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

## ELISA (19)

|   |   |
|---|---|
| <p>Immune network</p> <p><b>Deletion Timing of <i>Cic</i> Alleles during Hematopoiesis Determines the Degree of Peripheral CD4<sup>+</sup> T Cell Activation and Proliferation.</b></p> <p>"13-7021-81 was used in ELISA to compare splenic CD4<sup>+</sup> T cell activation and proliferation between whole immune cell-specific <i>Cic</i>-null (<i>Cicf/f</i>;Vav1-Cre) and T cell-specific <i>Cic</i>-null (<i>Cicf/f</i>;Cd4-Cre) mice."</p> <p>Authors: Park GY, Lee GW, Kim S, Hong H, Park JS, Cho JH, Lee Y</p> | <p>Year<br/>2020</p> <p>Species<br/>Mouse</p> |
| <p>The Journal of experimental medicine</p> <p><b>Rab6-dependent retrograde traffic of LAT controls immune synapse formation and T cell activation.</b></p> <p>"14-5931 was used in ELISA to show the role of MKP5 in restraining p38 MAPK-mediated neutrophil oxidant production, thereby preventing LPS-induced vascular injury in mice."</p> <p>Authors: Carpiert JM,Zucchetti AE,Bataille L,Dogniaux S,Shafaq-Zadah M,Bardin S,Lucchino M,Maurin M,Joannas LD, Magalhaes JG,Johannes L,Galli T,Goud B,Hivroz C</p>    | <p>Year<br/>2018</p> <p>Species<br/>Mouse</p> |

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## More applications with references on thermofisher.com

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