

# IL-10 Monoclonal Antibody (JES5-16E3), PE, eBioscience™

| Product Details             |  |
|-----------------------------|--|
| Size                        | 25 Tests   |
| Species Reactivity          | Mouse  |
| Published Species           | Mouse  |
| Host/Isotype                | Rat / IgG2b, kappa   |
| Recommended Isotype Control | Rat IgG2b kappa Isotype Control (eB149/10H5), PE, eBioscience™ |
| Class                       | Monoclonal   |
| Type                        | Antibody   |
| Clone                       | JES5-16E3  |
| Conjugate                   | PE   |
| Form                        | Liquid   |
| Concentration               | 5 µL/Test  |
| Purification                | Affinity chromatography  |
| Storage buffer              | PBS, pH 7.2, with 0.2% BSA, 0.1% gelatin                       |
| Contains                    | 0.09% sodium azide   |
| Storage conditions          | 4° C, store in dark, DO NOT FREEZE!                            |
| RRID                        | AB_10669561  |

| Applications          | Tested Dilution      | Publications    |
|-----------------------|----------------------|-----------------|
| Flow Cytometry (Flow) | 5 µL (0.125 µg)/test | 42 Publications |
| ELISA (ELISA)         | -                    | 1 Publication   |

## Product Specific Information

**Description:** The JES5-16E3 antibody reacts with mouse interleukin-10 (IL-10). Mouse IL-10 is an ~18 kDa factor also known as Cytokine Synthesis Inhibitory Factor (CSIF). In the mouse, Th2 cells, B1 cells, macrophages, and keratinocytes are the major cell subsets that produce IL-10. IL-10 inhibits synthesis of Th1 cytokines and proliferation of T cells, and acts as a costimulatory signal for mast cells, developing thymocytes and the Th2 response.

**Applications Reported:** The JES5-16E3 antibody has been reported for use in capture of mouse IL-10 by ELISA and ELISPOT, intracellular staining for flow cytometric analysis, IHC, and neutralization of IL-10 bioactivity.

**Applications Tested:** This JES5-16E3 antibody is tested by intracellular staining and flow cytometric analysis of cultured mouse splenocytes. This product has been pre-titrated and tested by intracellular staining and flow cytometric analysis of cultured mouse splenocytes. This can be used at 5 µL (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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**Excitation:** 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

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

## 43 References

### Flow Cytometry (42)

#### 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.

"12-7101-41 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

#### British journal of pharmacology

#### Critical role of OX40 in drug-induced acute liver injury.

"12-7101-41 was used in Flow Cytometry to show that OX40 is a key molecule that promotes both pro-inflammatory macrophage and CD4+ T-cell function, exacerbating paracetamol-induced liver injury."

Authors: Zhang C, Jin H, Wang Y, Li C, Zhao X, Li Y, Shi W, Tian Y, Xu H, Tian D, Liu K, Jia J, Sun G, Zhang D

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2020

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

### ELISA (1)

#### PloS one

#### IL-1 promotes TGF-1 and IL-2 dependent Foxp3 expression in regulatory T cells.

"12-7101 was used in an ELISA assay to investigate the differential effects of IL-12 and IL-1 on Foxp3 expression in T cells, showing that IL-1 promotes TGF-1- and IL-2-dependent Foxp3 expression in Tregs."

Authors: Ganesh BB, Bhattacharya P, Gopisetty A, Sheng J, Vasu C, Prabhakar BS

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2011

### More applications with references on thermofisher.com

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