

# IL-10 Monoclonal Antibody (JES5-16E3), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	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	JES5-16E3
Conjugate	PerCP-Cyanine5.5
Excitation/Emission Max	489/679 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_996677

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	23 Publications

## 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.

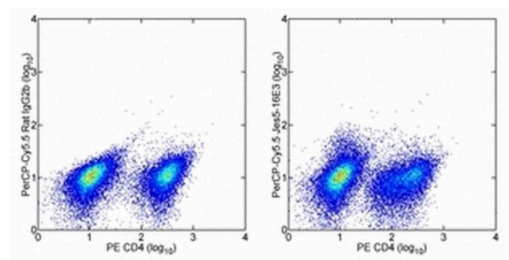
**Applications Reported:** This JES5-16E3 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

**Applications Tested:** This JES5-16E3 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 0.5 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. 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.

Product Images For IL-10 Monoclonal Antibody (JES5-16E3), PerCP-Cyanine5.5, eBioscience™



**IL-10 Antibody (45-7101-82) in Flow**  
Intracellular staining of Mouse Cytokine Positive Control Cells (Product # 00-4500-51) with Anti-Mouse CD4 PE (Product # 12-0042-82) and 0.25 µg of Rat IgG2b K Isotype Control PerCP-Cyanine5-5 (Product # 45-4031-80) (left) or 0.25 µg of Anti-Mouse IL-10 PerCP-Cyanine5-5 (right).

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23 References

Flow Cytometry (23)

<p>EMBO reports</p> <p><b>Myeloid cell-specific topoisomerase 1 inhibition using DNA origami mitigates neuroinflammation.</b></p> <p>"Published figure using IL-10 monoclonal antibody (Product # 45-7101-82) in Flow Cytometry"</p> <p>Authors: Zhu K,Wang Y,Sarlus H,Geng K,Nutma E,Sun J,Kung SY,Bay C,Han J,Min JH,Benito-Cuesta I,Lund H,Amor S,Wang J,Zhang XM,Kutter C,Guerreiro-Cacais AO,Högberg B,Harris RA</p>	<p>Year 2022</p>
<p>Cell reports</p> <p><b>RORt phosphorylation protects against T cell-mediated inflammation.</b></p> <p>"Published figure using IL-10 monoclonal antibody (Product # 45-7101-82) in Flow Cytometry"</p> <p>Authors: Ma S,Patel SA,Abe Y,Chen N,Patel PR,Cho BS,Abbasi N,Zeng S,Schnabl B,Chang JT,Huang WJM</p>	<p>Year 2022</p>

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