

IL-10 Monoclonal Antibody (JES5-16E3), Alexa Fluor™ 488, 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), Alexa Fluor™ 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES5-16E3
Conjugate	Alexa Fluor™ 488
Excitation/Emission Max	499/520 nm
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, store in dark, DO NOT FREEZE!
RRID	AB_469926

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/Test	22 Publications
ELISA (ELISA)	-	1 Publication
Neutralization (Neu)	-	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.

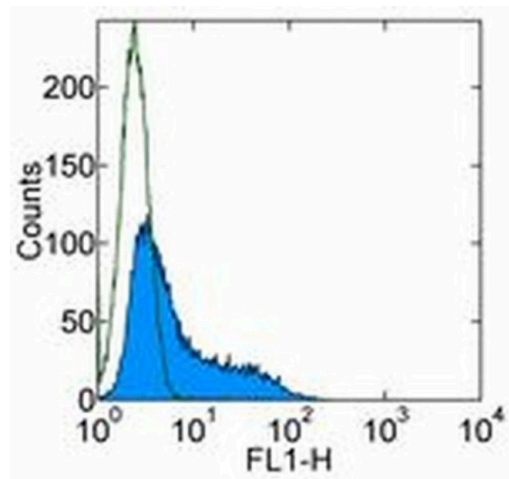
Applications Reported: The JES5-16E3 antibody has been reported for use in capture of mouse IL-10 by ELISA and ELISPOT, intracellular staining for flow cytometric analysis, IHC, and neutralization of IL-10 bioactivity.

Applications Tested: The Alexa Fluor® 488 conjugated JES5-16E3 antibody has been tested by intracellular immunofluorescent staining with flow cytometric analysis and can be used at less than or equal to 0.50 µg per million cells in 100 µL volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; **Emission:** 519 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-10 Monoclonal Antibody (JES5-16E3), Alexa Fluor™ 488, eBioscience™



IL-10 Antibody (53-7101-82) in Flow
Intracellular staining of Mouse Cytokine Positive Control Cells (Product # 00-4500-51) with 0.25 µg of Anti-Mouse IL-10 Alexa Fluor® 488 (filled histogram) or autofluorescence (open histogram). Total cells were used for analysis.

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Flow Cytometry (22)

<p>EMBO reports</p> <p>Myeloid cell-specific topoisomerase 1 inhibition using DNA origami mitigates neuroinflammation.</p> <p>"Published figure using IL-10 monoclonal antibody (Product # 53-7101-82) 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>RORt phosphorylation protects against T cell-mediated inflammation.</p> <p>"Published figure using IL-10 monoclonal antibody (Product # 53-7101-82) 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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ELISA (1)

<p>International journal of molecular medicine</p> <p>Mouse bone marrow-derived mesenchymal stem cells inhibit leukemia /lymphoma cell proliferation in vitro and in a mouse model of allogeneic bone marrow transplant.</p> <p>"Published figure using IL-10 monoclonal antibody (Product # 53-7101-82) in Flow Cytometry"</p> <p>Authors: Song N,Gao L,Qiu H,Huang C,Cheng H,Zhou H,Lv S,Chen L,Wang J</p>	<p>Year 2015</p> <p>Species Mouse</p>
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Neutralization (1)

<p>EMBO molecular medicine</p> <p>TGF-1 secreted by Tregs in lymph nodes promotes breast cancer malignancy via up-regulation of IL-17RB.</p> <p>"Published figure using IL-10 monoclonal antibody (Product # 53-7101-82) in Neutralization"</p> <p>Authors: Huang SC,Wei PC,Hwang-Verslues WW,Kuo WH,Jeng YM,Hu CM,Shew JY,Huang CS,Chang KJ,Lee EY,Lee WH</p>	<p>Year 2017</p>
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