

IL-10 Monoclonal Antibody (JES5-16E3), APC, 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), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES5-16E3
Conjugate	APC
Excitation/Emission Max	651/660 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_469502

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	80 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: 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 JES5-16E3 antibody has been tested by intracellular staining with flow cytometric analysis and can be used at less than or equal to 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Flow Cytometry (80)

<p>Journal for immunotherapy of cancer</p> <p>Trojan-horse silk fibroin nanocarriers loaded with a re-call antigen to redirect immunity against cancer.</p> <p>"17-7101-82 was used in Flow cytometry/Cell sorting to conclude that both SFNs-OVA and SFNs-CpG induce effective anticancer response through complementary mechanisms and show the efficacy of an innovative active immunotherapy approach based on the redirection of pre-existing immunity against cancer cells."</p> <p>Authors: Bari E,Ferrera F,Altosole T,Perteghella S,Mauri P,Rossi R,Passignani G,Mastracci L,Galati M,Astone GI,Mastrogiacomo M,Castagnola P,Fenoglio D,Di Silvestre D,Torre ML,Filaci G</p>	<p>Year 2023</p> <p>Species Mouse</p>
<p>JCI insight</p> <p>Lysosomal acid lipase, CSF1R, and PD-L1 determine functions of CD11c+ myeloid-derived suppressor cells.</p> <p>"17-7101-82 was used in Flow cytometry/Cell sorting to investigate if CD11c+ cells switched their functions to immune suppression and tumor growth stimulation through CSF1R/PD-L1 upregulation and metabolic reprogramming."</p> <p>Authors: Zhao T,Liu S,Ding X,Johnson EM,Hanna NH,Singh K,Sen CK,Wan J,Du H,Yan C</p>	<p>Year 2022</p> <p>Species Mouse</p>

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