

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

Product Details

Size	25 Tests
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES5-16E3
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572513

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	33 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: This JES5-16E3 antibody has been pre-titrated and tested by intracellular staining for flow cytometric analysis. test size: has been pre-titrated and tested by intracellular staining and flow cytometric analysis of LPS-stimulated normal human peripheral blood cells. This can be used at test size: 5 µL (0.25 µg)/test per test. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

36 References

Immunocytochemistry (1)

Cellular immunology	Year 2014
BCG vaccine mediated reduction in the MHC-II expression of macrophages and dendritic cells is reversed by activation of Toll-like receptors 7 and 9.	Species Mouse
"Published figure using IL-10 monoclonal antibody (Product # 11-7101-41) in Flow Cytometry"	
Authors: Bakhru P,Sirisaengtaksin N,Soudani E,Mukherjee S,Khan A,Jagannath C	

Flow Cytometry (33)

EMBO reports	Year 2022
Myeloid cell-specific topoisomerase 1 inhibition using DNA origami mitigates neuroinflammation.	
"Published figure using IL-10 monoclonal antibody (Product # 11-7101-41) in Flow Cytometry"	
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	

Cell reports	Year 2022
RORt phosphorylation protects against T cell-mediated inflammation.	
"Published figure using IL-10 monoclonal antibody (Product # 11-7101-41) in Flow Cytometry"	
Authors: Ma S,Patel SA,Abe Y,Chen N,Patel PR,Cho BS,Abbasi N,Zeng S,Schnabl B,Chang JT,Huang WJM	

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

ELISA (1)

International journal of molecular medicine	Year 2015
Mouse bone marrow-derived mesenchymal stem cells inhibit leukemia /lymphoma cell proliferation in vitro and in a mouse model of allogeneic bone marrow transplant.	Species Mouse
"Published figure using IL-10 monoclonal antibody (Product # 11-7101-41) in Flow Cytometry"	
Authors: Song N,Gao L,Qiu H,Huang C,Cheng H,Zhou H,Lv S,Chen L,Wang J	

More applications with references on thermofisher.com

Neu (1)

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