

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

Product Details	
Size	25 Tests
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES5-16E3
Conjugate	FITC
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_2572513

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	19 Publications
ELISA (ELISA)	-	1 Publication
Immunofluorescence (IF)	-	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.

22 References

Neutralization (1)

EMBO molecular medicine

TGF-1 secreted by Tregs in lymph nodes promotes breast cancer malignancy via up-regulation of IL-17RB.

"Published figure using IL-10 monoclonal antibody (Product # 11-7101-41) in Neutralization"

Authors: Huang SC,Wei PC,Hwang-Verslues WW,Kuo WH,Jeng YM,Hu CM,Shew JY,Huang CS,Chang KJ,Lee EY,Lee WH

Species

Not Applicable

Dilution

Not Cited

Year

2017

Flow Cytometry (19)

The Journal of clinical investigation

Excessive expression of miR-27 impairs Treg-mediated immunological tolerance.

"Published figure using IL-10 monoclonal antibody (Product # 11-7101-41) in Flow Cytometry"

Authors: Cruz LO,Hashemifar SS,Wu CJ,Cho S,Nguyen DT,Lin LL,Khan AA,Lu LF

Species

Not Applicable

Dilution

Not Cited

Year

2017

PloS one

Heterologous Immunity between Adenoviruses and Hepatitis C Virus: A New Paradigm in HCV Immunity and Vaccines.

"11-7101 was used in Flow cytometry/Cell sorting to investigate the potential of a previously uncharacterized property of natural human adenovirus infection to dictate, modulate and/or alter the course of HCV infection upon exposure."

Authors: Singh S,Vedi S,Samrat SK,Li W,Kumar R,Agrawal B

Species

Mouse

Dilution

Not Cited

Year

2016

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

ELISA (1)

International journal of molecular medicine

Mouse bone marrow-derived mesenchymal stem cells inhibit leukemia /lymphoma cell proliferation in vitro and in a mouse model of allogeneic bone marrow transplant.

"Published figure using IL-10 monoclonal antibody (Product # 11-7101-41) in ELISA"

Authors: Song N,Gao L,Qiu H,Huang C,Cheng H,Zhou H,Lv S,Chen L,Wang J

Species

Mouse

Dilution

Not Cited

Year

2015

More applications with references on thermofisher.com

IF (1)

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