

IL-10 Monoclonal Antibody (JES5-16E3), FITC, 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), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES5-16E3
Conjugate	FITC
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_465403

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	21 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.

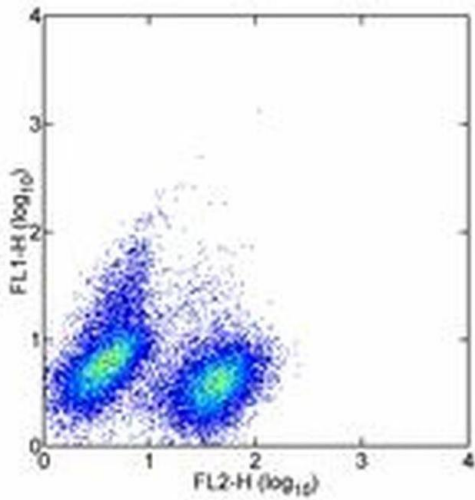
Applications Reported: The JES5-16E3 antibody has been reported for use in capture of mouse IL-10 by ELISA and ELISPOT, intracellular staining for flow cytometric analysis, IHC, and neutralization of IL-10 bioactivity.

Applications Tested: This JES5-16E3 antibody is offered in 2 formats: - µg size: has been tested by intracellular staining with flow cytometric analysis of cultured 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. - test size: 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.

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



IL-10 Antibody (11-7101-82) in Flow

Intracellular staining of Mouse Cytokine Positive Control Cells (Product # 00-4500-51) with Anti-Mouse CD4 PE (Product # 12-0041-82) and 0.25 µg of Anti-Mouse IL-10 FITC.

[View more figures on thermofisher.com](https://www.thermofisher.com)

23 References

Flow Cytometry (21)

Nature communications

Diabetes impairs wound healing by Dnmt1-dependent dysregulation of hematopoietic stem cells differentiation towards macrophages.

"11-7101 was used in Flow cytometry/Cell sorting to demonstrate for the first time that type 2 diabetes mellitus induces an haematopoietic stem cell-autonomous mechanism that causes impaired wound healing."

Authors: Yan J,Tie G,Wang S,Tutto A,DeMarco N,Khair L,Fazzio TG,Messina LM

Species
Mouse

Dilution
1:50

Year
2018

The Journal of clinical investigation

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

"Published figure using IL-10 monoclonal antibody (Product # 11-7101-82) 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

[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 # 11-7101-82) 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

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 # 11-7101-82) 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

More applications with references on thermofisher.com

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