

IL-10 Monoclonal Antibody (JES5-16E3), Alexa Fluor 700, 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 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES5-16E3
Conjugate	Alexa Fluor® 700
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_891568

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	10 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: This JES5-16E3 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

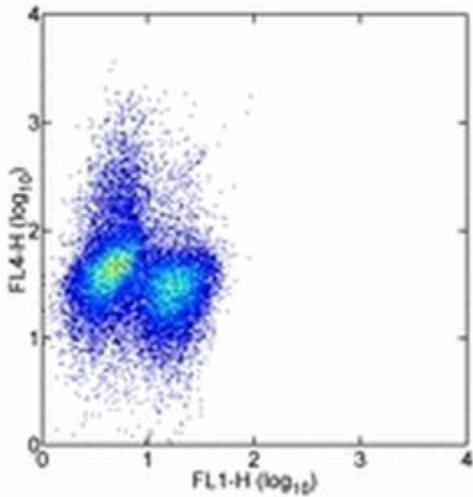
Applications Tested: This JES5-16E3 antibody has been tested by intracellular staining and flow cytometric analysis on stimulated mouse splenocytes using the Intracellular Fixation and Permeabilization Buffer Set (cat. 88-8824) and protocol. Please refer to Best Protocols: Protocol A: Two step protocol for (cytoplasmic) intracellular proteins located under the Resources Tab online. This can be used at less than or equal to 0.25 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.

Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-10 Monoclonal Antibody (JES5-16E3), Alexa Fluor 700, eBioscience™



IL-10 Antibody (56-7101-82) in Flow

Staining of restimulated BALB/c splenocytes with Anti-Mouse CD4 FITC (Product # 11-0041-82) followed by intracellular staining with 0.125 µg of Anti-Mouse IL-10 Alexa Fluor® 700 (right) using the Intracellular Fixation and Permeabilization Buffer Set (Product # 88-8824-00) and protocol.

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

12 References

Flow Cytometry (10)

Cardiovascular research

Genetic deletion of chemokine receptor Ccr7 exacerbates atherogenesis in ApoE-deficient mice.

"Published figure using IL-10 monoclonal antibody (Product # 56-7101-82) in Flow Cytometry"

Authors: Wan W, Lionakis MS, Liu Q, Roffé E, Murphy PM

Species
Not Applicable

Dilution
Not Cited

Year
2013

Human vaccines and immunotherapeutics

Nizatidine, a small molecular compound, enhances killed H5N1 vaccine cell-mediated responses and protects mice from lethal viral challenge.

"Published figure using IL-10 monoclonal antibody (Product # 56-7101-82) in Flow Cytometry"

Authors: Wang S, Wu B, Xue J, Wang M, Chen R, Wang B

Species
Not Applicable

Dilution
Not Cited

Year
2015

[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 # 56-7101-82) 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 # 56-7101-82) 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

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