

IL-10 Monoclonal Antibody (JES5-16E3), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES5-16E3
Conjugate	PerCP-Cyanine5.5
Excitation/Emission Max	489/679 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_996677

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	25 Publications
ELISA (ELISA)	-	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.

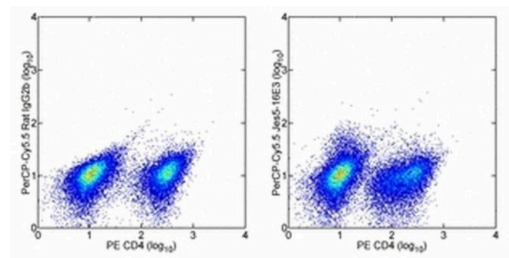
Applications Reported: This JES5-16E3 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This JES5-16E3 antibody has been tested by intracellular staining and flow cytometric analysis of stimulated 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.

Excitation: 488 nm; **Emission:** 695 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-10 Monoclonal Antibody (JES5-16E3), PerCP-Cyanine5.5, eBioscience™



IL-10 Antibody (45-7101-82) in Flow
Intracellular staining of Mouse Cytokine Positive Control Cells (Product # 00-4500-51) with Anti-Mouse CD4 PE (Product # 12-0042-82) and 0.25 µg of Rat IgG2b K Isotype Control PerCP-Cyanine5-5 (Product # 45-4031-80) (left) or 0.25 µg of Anti-Mouse IL-10 PerCP-Cyanine5-5 (right).

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26 References

Flow Cytometry (25)

Neural regeneration research	Year
Fasudil-modified macrophages reduce inflammation and regulate the immune response in experimental autoimmune encephalomyelitis.	2024
"Published figure using IL-10 monoclonal antibody (Product # 45-7101-82) in Flow Cytometry"	
Authors: Liu C,Guo S,Liu R,Guo M,Wang Q,Chai Z,Xiao B,Ma C	
Cancer immunology, immunotherapy : CII	Year
Myeloid-derived suppressor cells cross-talk with B10 cells by BAFF /BAFF-R pathway to promote immunosuppression in cervical cancer.	2023
"Published figure using IL-10 monoclonal antibody (Product # 45-7101-82) in Flow Cytometry"	
Authors: Jianyi D,Haili G,Bo Y,Meiqin Y,Baoyou H,Haoran H,Fang L,Qingliang Z,Lingfei H	

View more Flow references on thermofisher.com

ELISA (1)

iScience	Year
Myeloid-intrinsic cell cycle-related kinase drives immunosuppression to promote tumorigenesis.	2023
"45-7101-82 was used in ELISA to demonstrated that cell cycle-related kinase (CCRK) is upregulated in myeloid cells in tumor-bearing mice and in patients with hepatocellular carcinoma."	
Authors: Zhou J,Wang H,Shu T,Wang J,Yang W,Li J,Ding L,Liu M,Sun H,Wong J,Lai PB,Tsang SW,Ward SE,Chow KL,Sung JJ,Sze-Lok Cheng A	
	Species
	Human

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