

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

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES5-16E3
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Storage conditions	4° C
RRID	AB_469224

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	-	23 Publications
ELISA (ELISA)	-	3 Publications
Neutralization (Neu)	Assay-Dependent	2 Publications
Functional Assay (FN)	Assay-Dependent	1 Publication
Immunostaining (IS)	1-4 µg/mL	-

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: The Functional Grade purified JES5-16E3 antibody has been tested for ELISPOT capture. A suitable range of concentrations of this antibody for ELISPOT capture is 1-4 µg/mL.

The JES5-16E3 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of mouse interleukin-10 (IL-10) in combination with the biotinylated JES5-2A5 (13-7102) antibody for detection and recombinant mouse IL-10 (14-8101) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 4000 pg/mL - 30 pg/mL should be included in each ELISA plate.

Storage and handling: Use in a sterile environment.

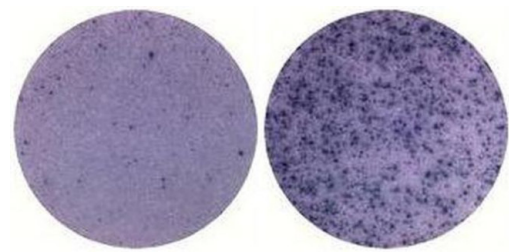
Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/μg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

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



IL-10 Antibody (16-7101-81) in ELISA
Mouse splenocytes (500,000 cells per well) were activated with LPS (1 μg/mL) for 48 hrs in Mouse IL-10 ELISPOT assay. Control well is medium alone.

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Flow Cytometry (23)

Cell reports	Year 2022
RORt phosphorylation protects against T cell-mediated inflammation. "Published figure using IL-10 monoclonal antibody (Product # 16-7101-81) 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	
Theranostics	Year 2022
Milk-derived extracellular vesicles alleviate ulcerative colitis by regulating the gut immunity and reshaping the gut microbiota. "Published figure using IL-10 monoclonal antibody (Product # 16-7101-81) in Flow Cytometry" Authors: Tong L,Hao H,Zhang Z,Lv Y,Liang X,Liu Q,Liu T,Gong P,Zhang L,Cao F,Pastorin G,Lee CN,Chen X,Wang JW, Yi H	

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

ELISA (3)

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. "Published figure using IL-10 monoclonal antibody (Product # 16-7101-81) in Flow Cytometry" Authors: Song N,Gao L,Qiu H,Huang C,Cheng H,Zhou H,Lv S,Chen L,Wang J	Species Mouse
Journal of immunology (Baltimore, Md. : 1950)	Year 2010
Synthetic cationic peptide IDR-1002 provides protection against bacterial infections through chemokine induction and enhanced leukocyte recruitment. "16-7101 was used in an ELISA assay to study the importance of the chemokine induction activity of host defence peptides in protection against bacterial infections." Authors: Nijnik A,Madera L,Ma S,Waldbrook M,Elliott MR,Easton DM,Mayer ML,Mullaly SC,Kindrachuk J,Jenssen H, Hancock RE	Species Mouse

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More applications with references on thermofisher.com

- Neu (2)
- FN (1)

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