

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

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	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
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage Conditions	4° C
RRID	AB_469224

Applications	Tested Dilution	Publications
ELISA (ELISA)	1-4 µg/mL	3 Publications
Functional Assay (FN)	Assay-Dependent	1 Publication
Neutralization (Neu)	Assay-Dependent	2 Publications
Flow Cytometry (Flow)	-	17 Publications

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.

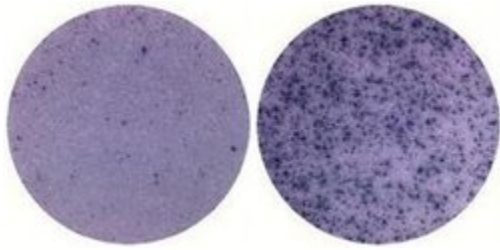
Filtration: 0.2 µm post-manufacturing filtered.

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.

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

23 References

Neutralization (2)

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 # 16-7101-81) 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

Journal of neuroinflammation

NOX2 deficiency alters macrophage phenotype through an IL-10/STAT3 dependent mechanism: implications for traumatic brain injury.

"16-7101 was used in Neutralization experiments to investigate the signalling pathways that regulate NOX2-dependent macrophage/microglial phenotype switching in the TBI brain."

Authors: Barrett JP,Henry RJ,Villapol S,Stoica BA,Kumar A,Burns MP,Faden AI,Loane DJ

Species
Mouse

Dilution
Not Cited

Year
2017

Flow Cytometry (17)

The Journal of clinical investigation

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

"Published figure using IL-10 monoclonal antibody (Product # 16-7101-81) 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.

"Published figure using IL-10 monoclonal antibody (Product # 16-7101-81) in Flow Cytometry"

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

Species
Not Applicable

Dilution
Not Cited

Year
2016

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

More applications with references on thermofisher.com

ELISA (3) **FN (1)**

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