

# IL-10 Monoclonal Antibody (JES5-16E3), FITC, eBioscience

Product Details	
Size	25 Tests
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	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA, 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572513

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	21 Publications
ELISA (ELISA)	-	1 Publication
Neutralization (Neu)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	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 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**Excitation:** 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## 24 References

### Flow Cytometry (21)

PloS one

#### Prevention or early cure of type 1 diabetes by intranasal administration of gliadin in NOD mice.

"11-7101 was used in Flow cytometry/Cell sorting to investigate whether intranasal (i.n.) administration of gliadin or gluten may arrest the diabetogenic process, showing that i.n. administration of gliadin prevents type 1 diabetes in NOD mice."

Authors: Funda DP,Fundova P,Hansen AK,Buschard K

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2015

PloS one

#### Development of effective tumor immunotherapy using a novel dendritic cell-targeting Toll-like receptor ligand.

"11-7101 was used in Flow cytometry/Cell sorting to show that the combined treatment gave rise to emphatic amelioration in DC-based cancer therapy."

Authors: De Silva NH,Akazawa T,Wijewardana V,Inoue N,Oyamada M,Ohta A,Tachibana Y,Wijesekera DPH, Kuwamura M,Nishizawa Y,Ito K,Izawa T,Hatoya S,Hasegawa T,Yamate J,Inaba T,Sugiura K

**Species**  
Mouse

**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 # 11-7101-41) 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 # 11-7101-41) 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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### ICC/IF (1)

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