

# IL-10 Monoclonal Antibody (JES3-9D7), PerCP-eFluor 710, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotope	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), PerCP-eFluor 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES3-9D7
Conjugate	PerCP-eFluor™ 710
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573833

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.03 µg)/test	3 Publications
ELISA (ELISA)	-	1 Publication
Functional Assay (FN)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

**Description:** The JES3-9D7 monoclonal antibody reacts with human interleukin-10 (IL-10).

**Applications Reported:** This JES3-9D7 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

**Applications Tested:** This JES3-9D7 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated normal human peripheral blood cells 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. This can be used at 5 µL (0.03 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

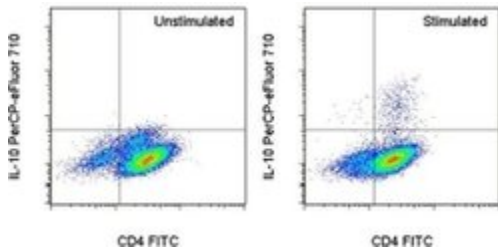
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100  $\mu$ L of cell sample + 100  $\mu$ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2  $\mu$ m post-manufacturing filtered.

## Product Images For IL-10 Monoclonal Antibody (JES3-9D7), PerCP-eFluor 710, eBioscience™



### IL-10 Antibody (46-7108-42) in Flow

Normal human peripheral blood mononuclear cells were cultured for 6 days under Th2-polarizing conditions. The cells were unstimulated (left) or restimulated (right) with the Cell Stimulation Cocktail (plus protein transport inhibitors) (Product # 00-4975-03) then intracellularly stained with Anti-Human CD4 FITC (Product # 11-0049-42) and Anti-Human IL-10 PerCP-eFluor® 710 using the Intracellular Fixation and Permeabilization Buffer Set (Product # 88-8824-00) and protocol. Total viable cells, as determined by Fixable Viability Dye eFluor® 450 (Product # 65-0863-14), were used for analysis.

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

## 6 References

### Flow Cytometry (3)

mSystems

#### Multiple Sclerosis-Associated Changes in the Composition and Immune Functions of Spore-Forming Bacteria.

"Published figure using IL-10 monoclonal antibody (Product # 46-7108-42) in Flow Cytometry"

Authors: Cekanaviciute E,Pröbstel AK,Thomann A,Runia TF,Casaccia P,Katz Sand I,Crabtree E,Singh S,Morrissey J,Barba P,Gomez R,Knight R,Mazmanian S,Graves J,Cree BAC,Zamvil SS,Baranzini SE

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2019

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 # 46-7108-42) 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](#)

### ELISA (1)

Cellular immunology

#### Granzyme B production distinguishes recently activated CD8(+) memory cells from resting memory cells.

Authors: Nowacki TM,Kuerten S,Zhang W,Shive CL,Kreher CR,Boehm BO,Lehmann PV,Tary-Lehmann M

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2007

### Functional Assay (1)

Journal of immunology (Baltimore, Md. : 1950)

#### Mycobacterium bovis BCG attenuates surface expression of mature class II molecules through IL-10-dependent inhibition of cathepsin S.

Authors: Sendide K,Dehmane AE,Pechkovsky D,Av-Gay Y,Talal A,Hmama Z

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2005

### More applications with references on thermofisher.com

### Misc (1)

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