

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 10⁵ to 10⁸ 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.

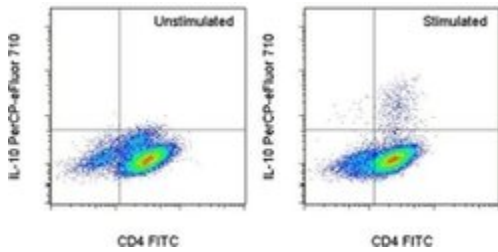
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L of cell sample + 100 μ 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 μ 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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