

IL-10 Monoclonal Antibody (JES3-9D7), PE-Cyanine7, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse, Rhesus monkey
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES3-9D7
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573524

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	11 Publications
ELISA (ELISA)	-	1 Publication
Functional Assay (FN)	-	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 & Permeabilization Buffer Set (cat. 88-8824) and protocol. Please refer to Best Protocols: Protocol A: Two step protocol for (cytoplasmic) intracellular proteins located under the Resources Tab online. This can be used at 5 µL (0.06 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.

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

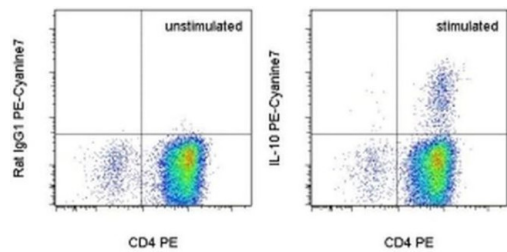
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-

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: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-10 Monoclonal Antibody (JES3-9D7), PE-Cyanine7, eBioscience™



IL-10 Antibody (25-7108-42) 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 PE (Product # 12-0049-42) and Anti-Human IL-10 PE-Cyanine7 (Product # 25-7108-42) using the Intracellular Fixation & 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.cn

13 References

Flow Cytometry (11)

Journal of cardiovascular development and disease

Circulating Regulatory B-Lymphocytes in Patients with Acute Myocardial Infarction: A Pilot Study.

"Published figure using IL-10 monoclonal antibody (Product # 25-7108-42) in Flow Cytometry"

Authors: Volodarsky I,Shimoni S,Haberman D,Mirkin V,Fabrikant Y,Yoskovich Mashriki T,Zalik A,George J

Year
2022

Journal of inflammation research

Altered T-Cell Subsets are Associated with Dysregulated Cytokine Secretion of CD4⁺ T Cells During HIV Infection.

"Published figure using IL-10 monoclonal antibody (Product # 25-7108-42) in Flow Cytometry"

Authors: Wang D,Jiang Y,Song Y,Zeng Y,Li C,Wang X,Liu Y,Xiao J,Kong Y,Zhao H

Year
2022

Species
Human

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

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

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

Year
2005

More applications with references on thermofisher.cn

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