

# CD11b Monoclonal Antibody (ICRF44), PE-Cyanine5, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Baboon, Chimpanzee, Cynomolgus monkey, Human, Rhesus monkey
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-Cyanine5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	ICRF44
Conjugate	PE-Cyanine5
Excitation/Emission Max	568/666 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_2573056

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	32 Publications

## Product Specific Information

**Description:** The ICRF44 monoclonal antibody reacts with human CD11b, a 165 kDa adhesion molecule. CD11b associated with integrin beta2 (CD18) is expressed on the surface of monocytes, granulocytes, activated lymphocytes and a subset of NK cells. CD11b is a receptor for intercellular adhesion molecule family members CD54, CD102 and CD50 as well as for iC3b. These adhesions are crucial in cell-cell and cell-matrix interactions.

**Applications Reported:** This ICRF44 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This ICRF44 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 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.

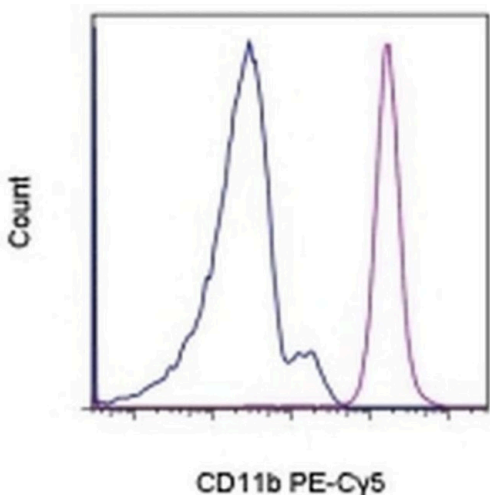
**Light sensitivity:** This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

**Fixation:** Samples can be stored in IC Fixation Buffer (Product # 00-822-49) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-54) 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: 667 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11b Monoclonal Antibody (ICRF44), PE-Cyanine5, eBioscience™



**CD11b Antibody (15-0118-42) in Flow**  
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE-Cyanine5 (Product # 15-4714-81) (blue histogram) or Anti-Human CD11b PE-Cyanine5 (purple histogram). Cells in the monocyte and granulocyte gate were used for analysis.

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

32 References

Flow Cytometry (32)

PeerJ	Year 2023
<b>SARS-CoV-2 Delta (B.1.617.2) variant replicates and induces syncytia formation in human induced pluripotent stem cell-derived macrophages.</b> "Published figure using CD11b monoclonal antibody (Product # 15-0118-42) in Flow Cytometry" Authors: Thaweerattanasinp T,Wanitchang A,Saenboonrueng J,Srisutthisamphan K,Wanasen N,Sungsuwan S, Jongkaewwattana A,Chailangkarn T	
Journal for immunotherapy of cancer	Year 2023
<b>LAL deficiency induced myeloid-derived suppressor cells as targets and biomarkers for lung cancer.</b> "Published figure using CD11b monoclonal antibody (Product # 15-0118-42) in Flow Cytometry" Authors: Zhao T,Liu S,Hanna NH,Jalal S,Ding X,Wan J,Yan C,Du H	

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