

CD11b Monoclonal Antibody (ICRF44), Super Bright™ 436, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Baboon, Chimpanzee, Cynomolgus monkey, Human, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	ICRF44
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2662533

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	14 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.

The ICRF44 monoclonal antibody crossreacts with baboon, chimpanzee, cynomolgous monkey and Rhesus macaque.

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 (0.5 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.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

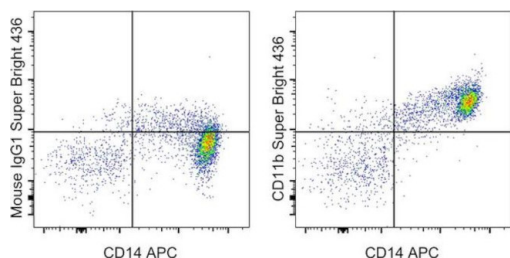
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet

for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD11b Monoclonal Antibody (ICRF44), Super Bright™ 436, eBioscience™



CD11b Antibody (62-0118-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD14 APC (Product # 17-0149-42) and Mouse IgG1 K Isotype Control Super Bright 436 (Product # 62-4714-82) (left) or Anti-Human CD11b Super Bright 436 (right). Cells in the monocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

15 References

Immunohistochemistry (1)

Frontiers in cell and developmental biology

Post-amputation reactive oxygen species production is necessary for axolotls limb regeneration.

"Published figure using CD11b monoclonal antibody (Product # 62-0118-42) in Immunohistochemistry"

Authors: Carbonell-M B, Zapata Cardona J, Delgado JP

Year
2022

Flow Cytometry (14)

PeerJ

SARS-CoV-2 Delta (B.1.617.2) variant replicates and induces syncytia formation in human induced pluripotent stem cell-derived macrophages.

"Published figure using CD11b monoclonal antibody (Product # 62-0118-42) in Flow Cytometry"

Authors: Thaweerattanasin P, Wanitchang A, Saenboonrueng J, Srisutthisamphan K, Wanasen N, Sungsuwan S, Jongkaewwattana A, Chailangkarn T

Year
2023

Journal for immunotherapy of cancer

LAL deficiency induced myeloid-derived suppressor cells as targets and biomarkers for lung cancer.

"Published figure using CD11b monoclonal antibody (Product # 62-0118-42) in Flow Cytometry"

Authors: Zhao T, Liu S, Hanna NH, Jalal S, Ding X, Wan J, Yan C, Du H

Year
2023

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More applications with references on thermofisher.com

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