

# CD11b Monoclonal Antibody (ICRF44), Super Bright™ 702, 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™ 702, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	ICRF44
Conjugate	Super Bright™ 702
Excitation/Emission Max	413/702 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_2717131

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.125 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.

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

**Applications Tested:** This ICRF44 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may 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.

Super Bright 702 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 702 nm. We recommend using a 710/50 bandpass filter. 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.

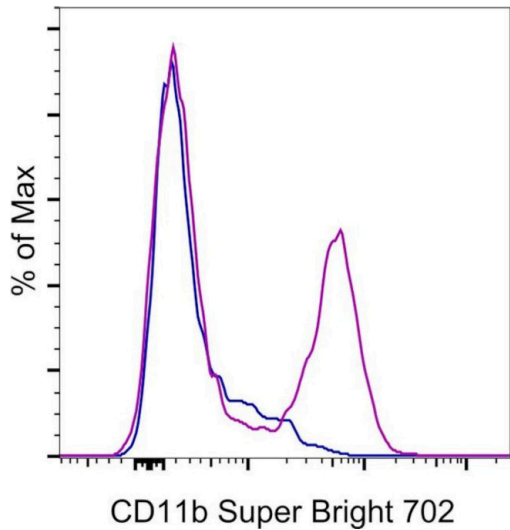
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 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: 405 nm; Emission: 702 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™ 702, eBioscience™**



**CD11b Antibody (67-0118-42) in Flow**  
Normal human peripheral blood cells cells were stained with Mouse IgG1 kappa Isotype Control, Super Bright 702 (Product # 67-4714-82) (blue histogram) or CD11b Monoclonal Antibody, Super Bright 702 (purple histogram). Cells in the monocyte gate were used for analysis.

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

## 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 # 67-0118-42) 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 # 67-0118-42) in Flow Cytometry"

Authors: Thaweerattanasinp T,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 # 67-0118-42) 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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