

CD11b Monoclonal Antibody (ICRF44), Super Bright 600, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Baboon, Chimpanzee, Cynomolgus Monkey, Human, Rhesus monkey
Published Species	Fish, Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright 600, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	ICRF44
Conjugate	Super Bright 600
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_2637389

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	5 µL (0.25 µg)/test	14 Publications
Immunofluorescence (IF)	-		1 Publication

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 (0.25 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 600 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 600 nm. We recommend using a 610/20 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.

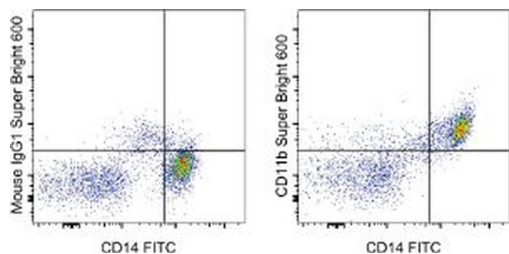
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Protect this vial and stained samples from light.

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 2-8°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorochrome performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 600 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 600, eBioscience™



CD11b Antibody (63-0118-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD14 FITC (Product # 11-0149-42) and Mouse IgG1 K Isotype Control Super Bright 600 (Product # 63-4714-82) (left) or Anti-Human CD11b Super Bright 600 (right). Cells in the monocyte gate were used for analysis.

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

15 References

Flow Cytometry (14)

PloS one

Deacetylase activity-independent transcriptional activation by HDAC2 during TPA-induced HL-60 cell differentiation.

"Published figure using CD11b monoclonal antibody (Product # 63-0118-42) in Flow Cytometry"

Authors: Jung H, Kim JY, Kim KB, Chae YC, Hahn Y, Kim JW, Seo SB

Species
Not Applicable

Dilution
Not Cited

Year
2019

Nature communications

Microglia innately develop within cerebral organoids.

"Published figure using CD11b monoclonal antibody (Product # 63-0118-42) in Flow Cytometry"

Authors: Ormel PR, Vieira de Sá R, van Bodegraven EJ, Karst H, Harschnitz O, Sneebouer MAM, Johansen LE, van Dijk RE, Scheefhals N, Berdenis van Berlekom A, Ribes Martínez E, Kling S, MacGillavry HD, van den Berg LH, Kahn RS, Hol EM, de Witte LD, Pasterkamp RJ

Species
Not Applicable

Dilution
Not Cited

Year
2018

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

Immunofluorescence (1)

Neuro-oncology

Normal human monocytes exposed to glioma cells acquire myeloid-derived suppressor cell-like properties.

"Published figure using CD11b monoclonal antibody (Product # 63-0118-42) in Flow Cytometry"

Authors: Rodrigues JC, Gonzalez GC, Zhang L, Ibrahim G, Kelly JJ, Gustafson MP, Lin Y, Dietz AB, Forsyth PA, Yong VW, Parney IF

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2010

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.