

CD11c Monoclonal Antibody (3.9), Super Bright™ 600, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	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	3.9
Conjugate	Super Bright™ 600
Excitation/Emission Max	414/601 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_2662654

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	8 Publications

Product Specific Information

Description: The 3.9 monoclonal antibody reacts with human CD11c, the 150 kDa integrin alpha X chain. CD11c non-covalently associates with beta2 integrin to form the CD11c/CD18 heterodimer. This complex is expressed on monocytes, granulocytes, macrophages, NK, dendritic cells and subset of T and B lymphocytes. CD11c/CD18 binds to CD54, iC3b and fibrinogen and plays a role in leukocyte adhesive interactions.

Applications Reported: This 3.9 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 3.9 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 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.

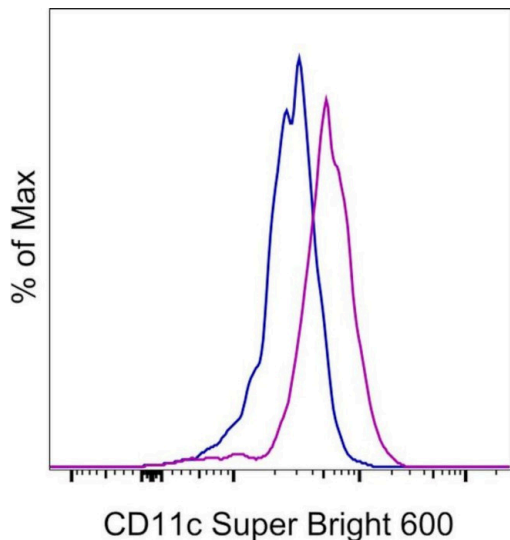
Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation

Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 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 CD11c Monoclonal Antibody (3.9), Super Bright™ 600, eBioscience™



CD11c Antibody (63-0116-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control Super Bright 600 (Product # 63-4714-82) (blue histogram) or Anti-Human CD11c Super Bright 600 (purple histogram). Cells in the monocyte gate were used for analysis.

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

8 References

Flow Cytometry (8)

Respiratory research

Alveolar macrophages from EVALI patients and e-cigarette users: a story of shifting phenotype.

"Published figure using CD11c monoclonal antibody (Product # 63-0116-42) in Flow Cytometry"

Authors: Warren KJ, Beck EM, Callahan SJ, Helms MN, Middleton E, Maddock S, Carr JR, Harris D, Blagev DP, Lanspa MJ, Brown SM, Paine R

Year
2023

JCI insight

Isolevuglandins disrupt PU.1-mediated C1q expression and promote autoimmunity and hypertension in systemic lupus erythematosus.

"Published figure using CD11c monoclonal antibody (Product # 63-0116-42) in Flow Cytometry"

Authors: Patrick DM, de la Visitación N, Krishnan J, Chen W, Ormseth MJ, Stein CM, Davies SS, Amarnath V, Crofford LJ, Williams JM, Zhao S, Smart CD, Dikalov S, Dikalova A, Xiao L, Van Beusecum JP, Ao M, Fogo AB, Kirabo A, Harrison DG

Year
2022

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More applications with references on thermofisher.com

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