

# CD11c Monoclonal Antibody (3.9), Alexa Fluor™ 700, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Cynomolgus monkey, Human, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor™ 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	3.9
Conjugate	Alexa Fluor™ 700
Excitation/Emission Max	696/719 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_10547281

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1 µg)/test	27 Publications

## Product Specific Information

**Description:** The 3.9 monoclonal antibody reacts with human CD11c, the 150 kDa integrin alphaX 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.

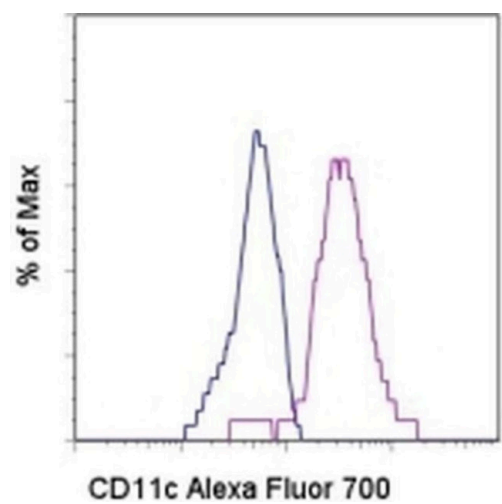
**Applications Tested:** This 3.9 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (1 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

**Excitation:** 633-647 nm; **Emission:** 723 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For CD11c Monoclonal Antibody (3.9), Alexa Fluor™ 700, eBioscience™



**CD11c Antibody (56-0116-42) in Flow**  
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control Alexa Fluor® 700 (Product # 56-4714-80) (blue histogram) or Anti-Human CD11c Alexa Fluor® 700 (purple histogram). Cells in the monocyte gate were used for analysis.

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27 References

Flow Cytometry (27)

JCI insight	Year 2022
<b>Isolevuglandins disrupt PU.1-mediated C1q expression and promote autoimmunity and hypertension in systemic lupus erythematosus.</b>	
"Published figure using CD11c monoclonal antibody (Product # 56-0116-42) 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	
Molecular microbiology	Year 2022
<b>Aluminum hydroxide adjuvant diverts the uptake and trafficking of genetically detoxified pertussis toxin to lysosomes in macrophages.</b>	
"Published figure using CD11c monoclonal antibody (Product # 56-0116-42) in Flow Cytometry"	
Authors: Jaldin-Fincati J,Moussaoui S,Gimenez MC,Ho CY,Lancaster CE,Botelho R,Ausar F,Brookes R,Terebiznik M	

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

More applications with references on thermofisher.com

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