

CD11c Monoclonal Antibody (3.9), eFluor™ 450, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	3.9
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 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_11220072

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	17 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 beta 2 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.

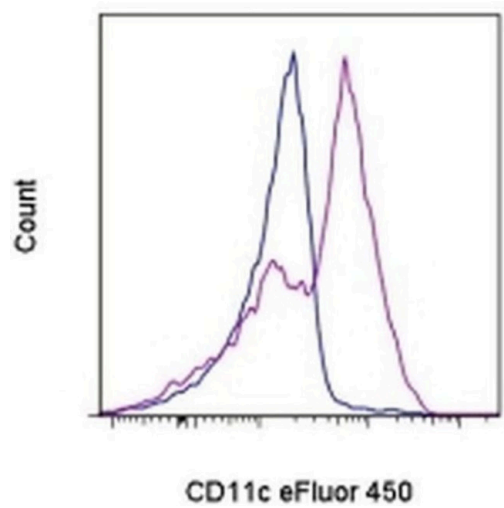
Applications Reported: This 3.9 antibody has been reported for use in flow cytometric analysis.

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.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; **Emission:** 445 nm; **Laser:** Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD11c Antibody (48-0116-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control eFluor® 450 (Product # 48-4714-82) (blue histogram) or Anti-Human CD11c eFluor® 450 (purple histogram). Cells in the monocyte gate were used for analysis.

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17 References

Flow Cytometry (17)

<p>Oncoimmunology</p> <p>Engineering of a trispecific tumor-targeted immunotherapy incorporating 4-1BB co-stimulation and PD-L1 blockade.</p> <p>"48-0116-42 was used in Flow cytometry/Cell sorting to engineer a tri-specific antibody-based molecule that stimulates intratumoral 4-1BB and blocks PD-L1/PD-1 signaling without systemic toxicity and with clinically favorable pharmacokinetics."</p> <p>Authors: Warmuth S,Gunde T,Snell D,Brock M,Weinert C,Simonin A,Hess C,Tietz J,Johansson M,Spiga FM,Heiz R, Flückiger N,Wagen S,Zeberger J,Diem D,Mahler D,Wickihalder B,Muntwiler S,Chatterjee B,Küttner B,Bommer B,Yaman Y,Lichtlen P,Urech D</p>	<p>Year 2022</p> <p>Species Human</p>
<p>JCI insight</p> <p>Isolevuglandins disrupt PU.1-mediated C1q expression and promote autoimmunity and hypertension in systemic lupus erythematosus.</p> <p>"Published figure using CD11c monoclonal antibody (Product # 48-0116-42) in Flow Cytometry"</p> <p>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</p>	<p>Year 2022</p>

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