

CD11c Monoclonal Antibody (3.9), eFluor™ 506, 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), eFluor™ 506, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	3.9
Conjugate	eFluor™ 506
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2637103

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	6 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.

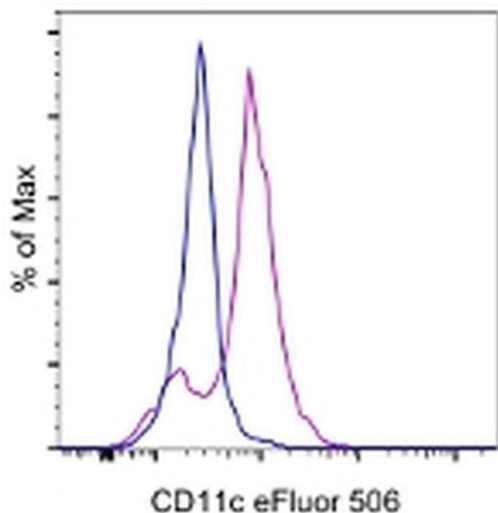
Applications Reported: This 3.9 antibody has been reported for use in flow cytometric analysis.

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 (0.25 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.

eFluor® 506 can be excited with the violet laser line (405 nm) and emits at 506 nm. We recommend using a 510/20 band pass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 506 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD11c Antibody (69-0116-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control eFluor® 506 (Product # 69-4714-82) (blue histogram) or Anti-Human CD11c eFluor® 506 (purple histogram). Cells in the monocyte gate were used for analysis.

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

6 References

Flow Cytometry (6)

Haematologica

The long non-coding RNA *Cancer Susceptibility 15 (CASC15)* is induced by isocitrate dehydrogenase (IDH) mutations and maintains an immature phenotype in adult acute myeloid leukemia.

"Published figure using CD11c monoclonal antibody (Product # 69-0116-42) in Flow Cytometry"

Authors: Grasedieck S,Ruess C,Krowiorz K,Lux S,Pochert N,Schwarzer A,Klusmann JH,Jongen-Lavrencic M,Herold T, Bullinger L,Pollack JR,Rouhi A,Kuchenbauer F

Species
Not Applicable

Dilution
Not Cited

Year
2020

Oncology letters

AG490 reverses phenotypic alteration of dendritic cells by bladder cancer cells.

"Published figure using CD11c monoclonal antibody (Product # 69-0116-42) in Flow Cytometry"

Authors: Xiu W, Ma J, Lei T, Zhang M

Species
Not Applicable

Dilution
Not Cited

Year
2018

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

More applications with references on thermofisher.com

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