

CD11c Monoclonal Antibody (3.9), APC-eFluor 780, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC-eFluor 780, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	3.9
Conjugate	APC-eFluor® 780
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_2573947

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	7 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 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.

APC-eFluor® 780 emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

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

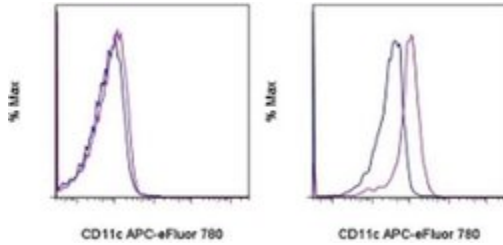
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific

performance should be determined empirically.

Excitation: 633-647 nm; Emission: 780 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11c Monoclonal Antibody (3.9), APC-eFluor 780, eBioscience™



CD11c Antibody (47-0116-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC-eFluor® 780 (Product # 47-4714-82) (blue histogram) or Anti-Human CD11c APC-eFluor® 780 (purple histogram). Cells in the lymphocyte (left) and monocyte (right) gates were used for analysis.

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

7 References

Flow Cytometry (7)

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 # 47-0116-42) 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 # 47-0116-42) 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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