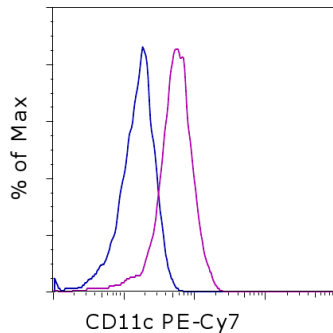


## Anti-Human CD11c PE-Cyanine7

**Catalog Number:** 25-0116

**Also known as:** 'Integrin alpha X, Integrin aX, ITGAX, p150/95, leu M5 alpha

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE-Cyanine7 (cat. 25-4714) (blue histogram) or Anti-Human CD11c PE-Cyanine7 (purple histogram). Cells in the monocyte gate were used for analysis.

### Product Information



**Contents:** Anti-Human CD11c PE-Cyanine7

**Catalog Number:** 25-0116

**Clone:** 3.9

**Concentration:** 5  $\mu$ L (1.0  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** III NL707



**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



**Batch Code:** Refer to vial



**Use By:** Refer to vial

**Contains sodium azide**

### 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  $\mu$ L (1  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

**Light sensitivity:** This tandem dye is sensitive 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  $\mu$ L cell sample + 100  $\mu$ L 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.

### References

Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

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Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

McMichael, A.J., P.C.L. Beverly, et al. eds. (1987). Leucocyte Typing III: White Cell Differentiation Antigens. Oxford University Press. New York.

### Related Products

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

### Legal

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