

## Anti-Human CD11c Alexa Fluor® 700

**Catalog Number:** 56-0116

**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.**

### Product Information

**Contents:** Anti-Human CD11c Alexa Fluor® 700



**Catalog Number:** 56-0116

**Clone:** 3.9

**Concentration:** 5 µL (1 µg)/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.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Caution, contains Azide**

### 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.

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

### 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  $10^5$  to  $10^8$  cells/test.

### References

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

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

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

### Related Products

56-0114 Anti-Mouse CD11c Alexa Fluor® 700 (N418)

56-4714 Mouse IgG1 K Isotype Control Alexa Fluor® 700 (P3.6.2.8.1)