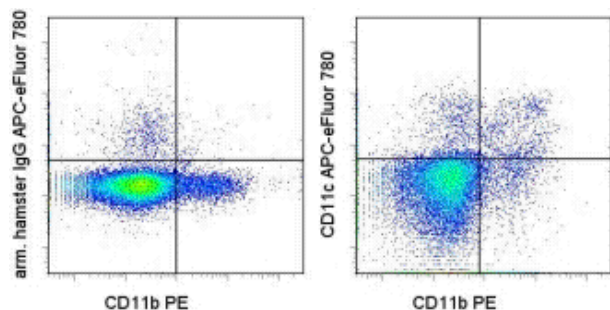


## Anti-Mouse CD11c APC-eFluor® 780

**Catalog Number:** 47-0114

**Also Known As:** Integrin  $\alpha_X$ , Integrin  $\alpha_X$ , ITGAX, p150/95, leu M5  $\alpha$

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



Staining of C57BL/6 splenocytes with Anti-Mouse CD11b PE (cat. 12-0112) and 0.25  $\mu$ g of Armenian Hamster IgG Isotype Control APC-eFluor® 780 (cat. 47-4888) (left) or 0.25  $\mu$ g of Anti-Mouse CD11c APC-eFluor® 780 (right). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD11c APC-eFluor® 780

**REF** **Catalog Number:** 47-0114

**Clone:** N418

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Armenian Hamster IgG

**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.

**LOT** **Batch Code:** Refer to Vial

**Use By:** Refer to Vial

**Caution, contains Azide**

### Description

The N418 monoclonal antibody reacts with mouse CD11c, the integrin  $\alpha_X$ . CD11c non-covalently associates with  $\beta_2$  integrin to form the CD11c/CD18 heterodimer. CD11c is expressed by dendritic cells, a subset of Intestinal Intraepithelial Lymphocytes (IEL) and some activated T cells. CD11c/CD18 binds to CD54, iC3b and fibrinogen and plays a role in leukocyte adhesive interactions. N418 binds to CD11c on splenic dendritic cells in the T-dependent areas of mouse spleen and precipitates a 150, 90 kDa heterodimer.

### Applications Reported

This N418 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This N418 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5  $\mu$ 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

**Light sensitivity:** Tandem 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

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#### **Related Products**

12-0112 Anti-Mouse CD11b PE (M1/70)

47-4888 Armenian Hamster IgG Isotype Control APC-eFluor® 780 (eBio299Arm)

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