

**FITC anti-mouse CD11c**

**Catalog # / Size:** 1186525 / 50 µg  
1186530 / 500 µg

**Clone:** N418

**Isotype:** Hamster IgG

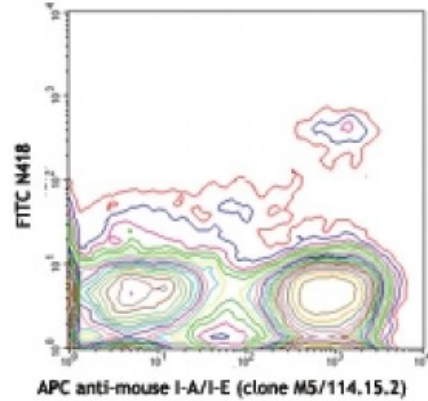
**Immunogen:** Mouse spleen dendritic cells

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

**Concentration:** 0.5



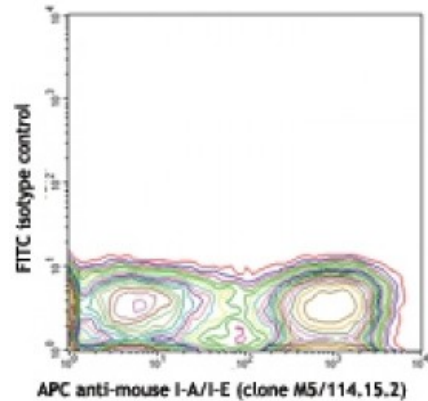
C57BL/6 mouse splenocytes stained with APC anti-mouse I-A/I-E (clone M5/114.15.2) and FITC N418 (top) or FITC Armenian hamster IgG isotype control (bottom).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunoprecipitation<sup>3</sup>, immunohistochemical staining of acetone-fixed frozen sections<sup>3</sup>, and immunofluorescence microscopy<sup>5, 9</sup> (Alexa Fluor® 488 conjugated N418 was used for IHC in frozen sections<sup>10</sup>).



**Application References:**

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3. Metlay JP, *et al.* 1990. *J. Exp. Med.* 171:1753. (IHC, IP)
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  16. Bankoti J, *et al.* 2010. *Toxicol. Sci.* 115:422. (FC) [PubMed](#)
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**Description:** CD11c is a 150 kD glycoprotein also known as  $\alpha_X$  integrin, CR4, and p150. CD11c forms a  $\alpha_X\beta_2$  heterodimer with  $\beta_2$  integrin (CD18). It is primarily expressed on dendritic cells, NK cells, a subset of intestinal intraepithelial lymphocytes (IEL), and some activated T cells. The  $\alpha_X\beta_2$  integrin plays an important role in cell-cell contact by binding its ligands: iC3b, fibrinogen, and CD54.

**Antigen**  
**References:**

1. Barclay A, *et al.* 1997. *The Leukocyte Antigen Facts Book* Academic Press.
2. Springer TA. 1994. *Cell* 76:301.
3. Lopez-Rodriguez C, *et al.* 1996. *J. Immunol.* 156:3780.