

## FITC Anti-Mouse CD11c Antibody[N418]

**Catalog Number:** E-AB-F0991UC

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

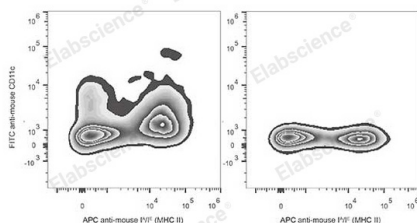
<b>Reactivity</b>	Mouse
<b>Host</b>	Armenian Hamster
<b>Isotype</b>	Armenian Hamster IgG
<b>Clone No.</b>	N418
<b>Isotype Control</b>	FITC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853C]
<b>Conjugation</b>	FITC
<b>Conjugation Information</b>	FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 $\mu\text{g}/10^6$ cells in 100 $\mu\text{L}$ volume].
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### Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD11c Antibody and APC Anti-Mouse MHC II (I-A/I-E) Antibody (Left). Splenocytes stained with APC Anti-Mouse MHC II (I-A/I-E) Antibody (Right) are used as control.

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	CD11 antigen-like family member C;CD11c;Integrin alpha-X;Itgax;Leukocyte adhesion receptor p150+95
<b>Uniprot ID</b>	Q9QXH4
<b>Gene ID</b>	16411

### For Research Use Only

## Background

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.