

## Elab Fluor® 488 Anti-Mouse CD11c Antibody[N418]

**Catalog Number:** E-AB-F0991L

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

### Description

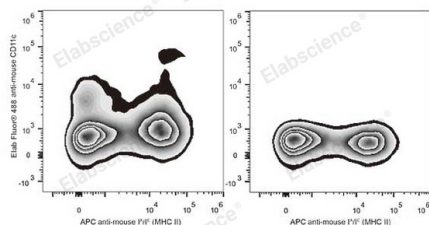
|                                |                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Mouse                                                                                                                                                               |
| <b>Host</b>                    | Armenian Hamster                                                                                                                                                    |
| <b>Isotype</b>                 | Armenian Hamster IgG                                                                                                                                                |
| <b>Clone No.</b>               | N418                                                                                                                                                                |
| <b>Isotype Control</b>         | [Product E-AB-F09852L]                                                                                                                                              |
| <b>Conjugation</b>             | Elab Fluor® 488                                                                                                                                                     |
| <b>Conjugation Information</b> | Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.                                                                         |

### Applications

### Recommended usage

|            |                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
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### Data



C57BL/6 murine splenocytes are stained with Elab Fluor® 488 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.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

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

### For Research Use Only

**Uniprot ID**

Q9QXH4

**Gene ID**

16411

**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.

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