

## Elab Fluor® 647 Anti-Mouse CD11c Antibody[N418]

**Catalog Number:** E-AB-F0991UM

**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>         | Elab Fluor® 647 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853M]                                                                                       |
| <b>Conjugation</b>             | Elab Fluor® 647                                                                                                                                                        |
| <b>Conjugation Information</b> | Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.                                                                            |

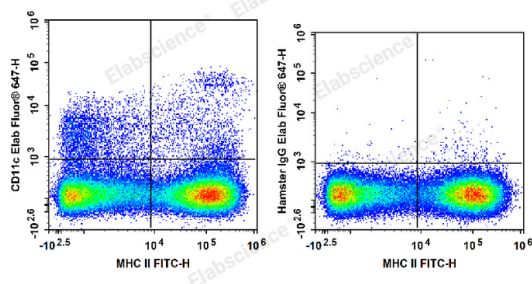
### Applications

### Recommended usage

#### FCM

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 µg/10<sup>6</sup> cells in 100 µL volume].

### Data



C57BL/6 murine splenocytes are stained with FITC Anti-

Mouse MHC II Antibody and Elab Fluor® 647 Anti-Mouse CD11c Antibody (Left). Splenocytes are stained with FITC

Anti-Mouse MHC II Antibody and Elab Fluor® 647 Armenian Hamster IgG Isotype Control (Right).

### 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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