

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

Catalog Number: GFH0991M

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

### Description

|                         |                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                  |
| Host                    | Armenian Hamster                                                                                                                                                       |
| Isotype                 | Armenian Hamster IgG                                                                                                                                                   |
| Clone No.               | N418                                                                                                                                                                   |
| Isotype Control         | Elab Fluor® 647 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852M]                                                                                       |
| Conjugation             | Elab Fluor® 647                                                                                                                                                        |
| Conjugation Information | 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). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                    |

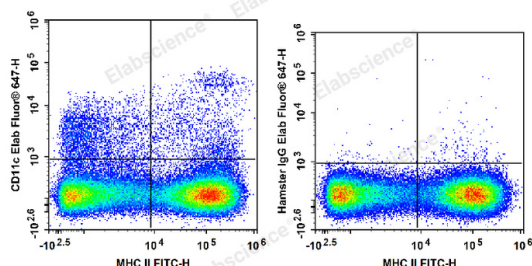
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **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).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### 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

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | 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. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|                 |                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------|
| Alternate Names | CD11 antigen-like family member C;CD11c;Integrin alpha-X;Itgax;Leukocyte adhesion receptor p150+95 |
| Gene ID         | 16411                                                                                              |

### For Research Use Only

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## 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.