

## Elab Fluor® 700 Anti-Mouse CD64/FcγRI Antibody[X54-5/7.1]

Catalog Number: E-AB-F1186UM1

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

### Description

|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Mouse  |
| <b>Host</b>                    | Mouse  |
| <b>Isotype</b>                 | Mouse IgG1, κ  |
| <b>Clone No.</b>               | X54-5/7.1  |
| <b>Isotype Control</b>         | Elab Fluor® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793M1]   |
| <b>Conjugation</b>             | Elab Fluor® 700  |
| <b>Conjugation Information</b> | Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.   |

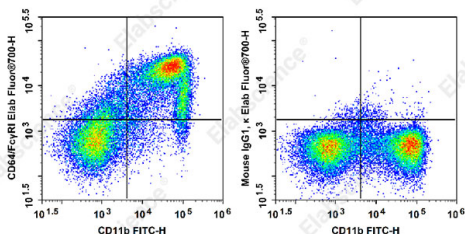
### Applications

### 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



Staining of C57BL/6 murine bone marrow cells with FITC

Anti-Mouse/Human CD11b Antibody [M1/70] and Elab Fluor® 700 Anti-Mouse CD64/FcγRI Antibody[X54-5/7.1] (left) or Elab

Fluor® 700 Mouse IgG1, κ Isotype Control (right). Total viable cells were used for analysis.

### 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

|                        |  |
|------------------------|--|
| <b>Alternate Names</b> | CD64;FcRI;Fcγ1;Fcγr1;IgG Fc receptor I |
| <b>Uniprot ID</b>      | P26151                                 |
| <b>Gene ID</b>         | 14129                                  |

### For Research Use Only

## Background

CD64 is a 72 kD single chain type I glycoprotein also known as FcγRI and FcRI. CD64 is a member of the immunoglobulin superfamily and is expressed on monocytes/macrophages, dendritic cells, and mast cells. The expression can be upregulated by IFN-γ stimulation. CD64 binds IgG immune complex. It plays a role in antigen capture, phagocytosis of IgG/antigen complexes, and antibody-dependent cellular cytotoxicity (ADCC).