

## APC Anti-Mouse CD68 Antibody[FA-11]

**Catalog Number:** AN00927E

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

### Description

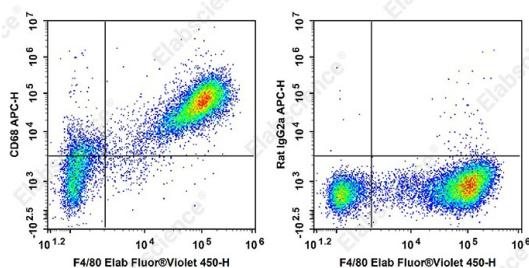
|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Mouse  |
| <b>Host</b>                    | Rat  |
| <b>Isotype</b>                 | Rat IgG2a  |
| <b>Clone No.</b>               | FA-11  |
| <b>Isotype Control</b>         | APC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832E]   |
| <b>Conjugation</b>             | APC  |
| <b>Conjugation Information</b> | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 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. <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. |
|------------|---|

### Data



Staining of C57BL/6 murine abdominal macrophages elicited by Thioglycolate are stained with Elab Fluor® Violet 450 Anti-Mouse F4/80 Antibody[Cl:A3-1] and intracellular stained with APC Anti-Mouse CD68 Antibody[FA-11] (left) or APC Rat IgG2a 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 protect from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |             |
|------------------------|-------------|
| <b>Alternate Names</b> | Macrosialin |
| <b>Uniprot ID</b>      | P34810      |
| <b>Gene ID</b>         | 12514       |

### For Research Use Only

Toll-free: 1-888-852-8623

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Rev. V1.3

## Background

Mouse CD68, also known as macrosialin, is an 85-115 kD member of the lysosomal-associated membrane protein (LAMP) family. It is a heavily glycosylated and predominantly intracellular protein, mainly in late endosomes. Macrosialin is the murine homolog to the human macrophage glycoprotein CD68. It is expressed on tissue macrophages, Langerhans cells and at low levels on dendritic cells. Lamp proteins may have functions relating to cell-cell interaction or cell-ligand interaction. The biological function of CD68 is not completely understood.

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