

## AF/LE Purified Anti-Mouse F4/80 Antibody[CI:A3-1]

**catalog number:** E-AB-F09950

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

### Description

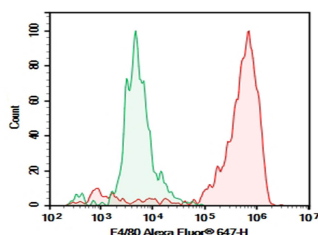
|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Mouse  |
| <b>Immunogen</b>    | Recombinant Mouse F4/80 protein  |
| <b>Host</b>         | Rat  |
| <b>Isotype</b>      | Rat IgG2b, $\kappa$  |
| <b>Clone</b>        | CI:A3-1  |
| <b>Purification</b> | >98%, Protein A/G purified   |
| <b>Buffer</b>       | Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method |

### Applications

### Recommended Dilution

|            |   |
|------------|---|
| <b>FCM</b> | 2 $\mu$ g/mL ( $1 \times 10^5$ - $5 \times 10^5$ cells) |
|------------|---|

### Data



Mouse peritoneal macrophages were stained with 0.2  $\mu$ g AF/LE Purified Anti-Mouse F4/80 Antibody[CI:A3-1] (Right) and 0.2  $\mu$ g Rat IgG2b,  $\kappa$  Isotype Control (Left), followed by Alexa Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody.

### Preparation & Storage

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions. |
| <b>Shipping</b> | Ice bag  |

### Background

F4/80 is a 160 kD glycoprotein. It is characterized as a member of the epidermal growth factor (EGF)-transmembrane 7 (TM7) family. F4/80, also known as EMR1 or Ly71, has been widely used as a murine macrophage marker, which is expressed on the majority of tissue macrophages including peritoneal macrophages, macrophages in lung, gut, thymus and red pulp of spleen (but not on the macrophages located in T cell areas of the spleen, lymph node and Peyer's patch), Kuffer cells, Langerhans cells, and bone marrow stromal cells. F4/80 has also been shown on a subset of dendritic cells. The biological ligand of F4/80 has not been identified, but it has been reported that F4/80 is required for induction of CD8+ T cells-mediated peripheral tolerance.

### For Research Use Only