

## Elab Fluor® Red 780 Anti-Mouse F4/80 Antibody[Cl:A3-1]

Catalog Number: E-AB-F0995US

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

### Description

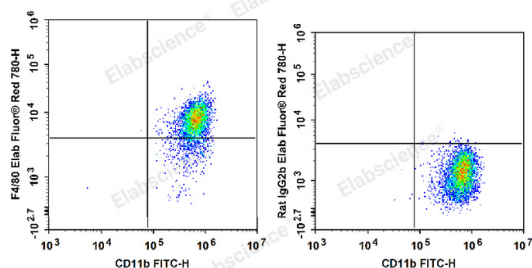
<b>Reactivity</b>	Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2b, $\kappa$
<b>Clone No.</b>	Cl:A3-1
<b>Isotype Control</b>	Elab Fluor® Red 780 Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09843S]
<b>Conjugation</b>	Elab Fluor® Red 780
<b>Conjugation Information</b>	Elab Fluor® Red 780 is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 770 nm (e.g., a 780/60 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. 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 $\mu$ g/ $10^6$ cells in 100 $\mu$ L volume].
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### Data



C57BL/6 murine abdominal macrophages elicited by starch broth are stained with FITC Anti-Mouse/Human CD11b

Antibody and Elab Fluor® Red 780 Anti-Mouse F4/80 Antibody (Left). Macrophages are stained with FITC Anti-

Mouse/Human CD11b Antibody and Elab Fluor® Red 780 Rat IgG2b,  $\kappa$  Isotype Control (Right).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	Gpf480;Adgre1;Adhesion G protein-coupled receptor E1;Cell surface glycoprotein F4/80;EGF-like module receptor 1;Emr1
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### For Research Use Only

**Uniprot ID**

Q61549

**Gene ID**

13733

**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.