

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 500 Anti-Mouse F4/80 Antibody[CI:A3-1]

Catalog Number: E-AB-F0995UR

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2b, ĸ Clone No. CI:A3-1

Isotype Control Elab Fluor® Violet 500 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843R]

Conjugation Elab Fluor® Violet 500

Conjugation Information Elab Fluor® Violet 500 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 501 nm (e.g., a 525/45 nm bandpass filter).

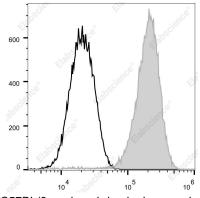
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

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/10⁶ cells in 100 µL volume].

Data



Staining of C57BL/6 murine abdominal macrophages with

Elab Fluor® Violet 500 Anti-Mouse F4/80[CI:A3-1](filled gray histogram) or Elab Fluor® Violet 500 Mouse IgG1, κ Isotype Control(empty black histogram) . Total viable cells were used for analysis.

Preparation & Storage

Storage Keep as concentrated solution.

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

Gpf480;Adgre1;Adhesion G protein-coupled receptor E1;Cell surface glycoprotein F4/ **Alternate Names**

80;EGF-like module receptor 1;Emr1

Uniprot ID Q61549

For Research Use Only

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Elabscience Bionovation Inc.



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Gene ID **Background** 13733

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.

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