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FITC Anti-Mouse F4/80 Antibody[CI:A3-1]

Catalog Number: E-AB-F0995C

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

FITC Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842C] **Isotype Control**

Conjugation

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

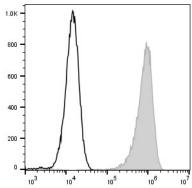
Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM**

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). 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 FITC Anti-Mouse F4/80 Antibody[CI:A3-1] (filled gray histogram) or FITC Rat IgG2b, κ Isotype Control (empty black histogram). Cells in the macrophages gate 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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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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