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

Catalog Number: E-AB-F0995B

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

Description

Reactivity Mouse Host Rat

IsotypeRat IgG2b, κClone No.CI:A3-1

Isotype Control Biotin Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843B]

Conjugation Biotin

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

Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. For flow

cytometric staining, the suggested use of this reagent is \leq 1.0 μ g per 10⁶ cells in 100 μ L volume or 100 μ L of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping Ice bag

Antigen Information

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

80;EGF-like module receptor 1;Emr1

 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.