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PE Rabbit anti-Mouse F4/80 mAb

Catalog No.: A28681

Basic Information

Observed MW

Calculated MW
102kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ARC74998

Conjugate
PE. Ex:565nm. Em:574nm.

Background

F4/80, also known as EMR1 or Ly71, is a 160 kDa glycoprotein belonging to the epidermal growth factor (EGF)-transmembrane 7 (TM7) family. It is widely used as a murine macrophage marker. F4/80 is expressed on most tissue macrophages, including those in the lung, intestine, peritoneal cavity, thymus, and splenic red pulp, as well as Kupffer cells, Langerhans cells, microglia, and certain dendritic cell subsets. It is notably absent on macrophages residing in the T-cell areas of the spleen, lymph nodes, and Peyer's patches. Although the biological ligand for F4/80 has not yet been identified, this molecule has been reported to be required for the induction of CD8 T cell-mediated peripheral tolerance.

Recommended Dilutions

FC	≤0.25 μg per million cells in 100 μl volume

Immunogen Information

Gene ID
13733

Swiss Prot
Q61549

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
Emr1; Ly71; F4/80; Gpf480; TM7LN3; DD7A5-7; EGF-TM7

Contact

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Product Information

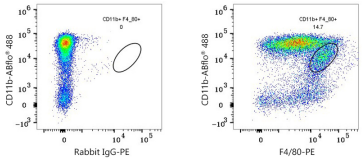
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1X10^6 C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 488 Rabbit anti-Mouse CD11b mAb (A24094,5 µl/Test) and PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Mouse F4/80 mAb (A28681,0.25 µg,right).

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