Biotin Anti-Mouse F4/80 Rabbit Recombinant Antibody

Catalog Number:Biotin-98236

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Basic Information

Catalog Number: Biotin-98236	**GenBank Accession Number:** NM_010130.4	**Purification Method:** Protein A purification
Size: 100ug , 500 ug/ml	**GeneID (NCBI):** 13733	**CloneNo.:** 241959G4
Source: Rabbit	**UNIPROT ID:** Q61549	
Isotype: IgG	**Full Name:** EGF-like module containing, mucin-like, hormone receptor-like sequence 1	
	Calculated MW: 102 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

Background Information

Mouse F4/80, also named as EMR1 and Gpf480, is a 160-kDa cell surface glycoprotein which is a member of the EGF TM7 family. The F4/80 molecule is solely expressed on the surface of macrophages and serves as a marker for mature macrophage tissues, including Kupffer cells in liver, splenic red pulp macrophages, brain microglia, gut lamina propria and Langerhans cells in the skin. The function of F4/80 is unclear, but it is speculated to be involved in macrophage adhesion events, cell migration or as a G protein-coupled signaling component of macrophages.

Storage

Storage:
Store at 2-8℃. Avoid exposure to light. Stable for one year after shipment.
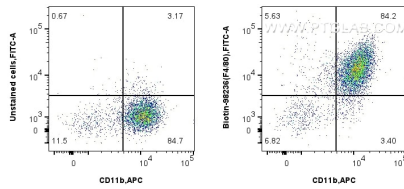**Storage Buffer:**
PBS with 0.09% sodium azide.

Selected Validation Data

1x10^6 mouse peritoneal macrophages were surface stained with 0.25 ug Biotin Anti-Mouse F4/80 Rabbit RecAb (Biotin-98236, Clone: 241959G4) and CoraLite®488-conjugated streptavidin, or unstained. Cells were co-stained with APC Anti-Mouse CD11b (M1/70) (APC-65055, Clone: M1/70). Cells were incubated with FC Receptor Block prior to fixing and staining. Cells were not fixed.
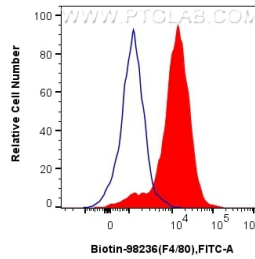
1x10^6 mouse peritoneal macrophages were surface stained with 0.25 ug Biotin Anti-Mouse F4/80 Rabbit RecAb (Biotin-98236, Clone: 241959G4) and CoraLite®488-conjugated streptavidin (red), or unstained (blue). Cells were incubated with FC Receptor Block prior to fixing and staining. Cells were not fixed.