

For Research Use Only

FcZero-rAb® APC-Cyanine7 Anti-Mouse F4/80 Rabbit Recombinant Antibody

Catalog Number:AY7-FcA98236



Basic Information

Catalog Number: AY7-FcA98236	GenBank Accession Number: NM_010130.4	Purification Method: Protein A purification
Concentration: 100ug, 200 ug/ml	GeneID (NCBI): 13733	CloneNo.: 241959G4
Source: Rabbit	UNIPROT ID: Q61549	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: EGF-like module containing, mucin-like, hormone receptor-like sequence	Excitation/Emission maxima wavelengths: 650 nm / 778 nm
Immunogen Catalog Number: EG0788	Calculated MW: 102 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : mouse peritoneal macrophages,
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°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

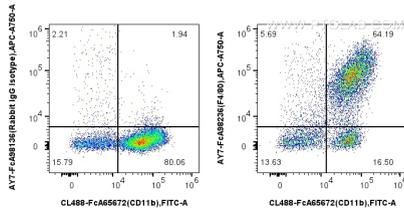
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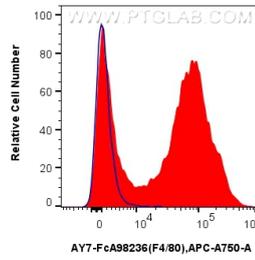
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Selected Validation Data



1x10⁶ mouse peritoneal macrophages were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse CD11b (M1/70), and 0.25 ug APC-Cyanine7 Anti-Mouse F4/80 Rabbit RecAb (AY7-FcA98236, Clone: 241959G4) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



1x10⁶ mouse peritoneal macrophages were surface stained with 0.25 ug APC-Cyanine7 Anti-Mouse F4/80 Rabbit RecAb (AY7-FcA98236, Clone: 241959G4) (red) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.