

For Research Use Only

Anti-Mouse F4/80 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98236-1-PBS



Basic Information

Catalog Number:

98236-1-PBS

Concentration:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0788

GenBank Accession Number:

NM_010130.4

GeneID (NCBI):

13733

UNIPROT ID:

Q61549

Full Name:

EGF-like module containing, mucin-like, hormone receptor-like sequence 1

Calculated MW:

102 kDa

Purification Method:

Protein A purification

CloneNo.:

241959G4

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

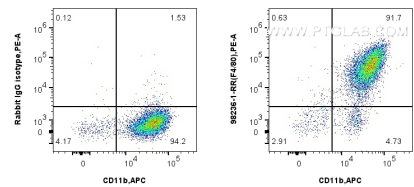
T: 4006900926

E: Proteintech-CN@ptglab.com

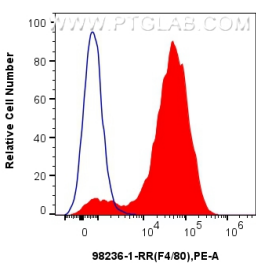
W: ptgcn.com

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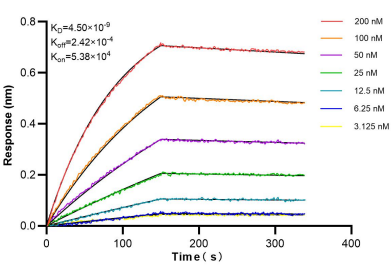
Selected Validation Data



1x10⁶ Balb/c mouse peritoneal macrophages were surface stained with 0.25 ug Anti-Mouse F4/80 Rabbit RecAb (98236-1-RR, Clone: 241959G4) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Mouse CD11b (M1/70) (APC-65055, Clone: M1/70). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using



1x10⁶ Balb/c mouse peritoneal macrophages were surface stained with 0.25 ug Anti-Mouse F4/80 Rabbit RecAb (98236-1-RR, Clone: 241959G4) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98236-1-PBS in a different storage buffer



Biolayer interferometry (BLI) kinetic assays of 98236-1-RR against Mouse F4/80 were performed. The affinity constant is 4.50 nM.