For Research Use Only

Anti-Mouse CD68 Rabbit Recombinant Antibody

Catalog Number:98029-1-RR

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Uni-rAb
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Basic Information

Catalog Number:
98029-1-RR

Size:
100ug, 1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001291058.1

GeneID (NCBI):
12514

UNIPROT ID:
P31996-1

Full Name:
CD68 antigen

Calculated MW:
35 kDa

Purification Method:
Protein A purfication

CloneNo.:
230504G5

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

Background Information

Mouse CD68 (also known as macrosialin) is a type I transmembrane glycoprotein that is highly and specifically expressed by mouse tissue macrophages, and to a lesser extent by dendritic cells. It belongs to the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family and primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. CD68 is also a member of the scavenger receptor family. It may play a role in phagocytic activities of tissue macrophages.

Storage

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

Selected Validation Data
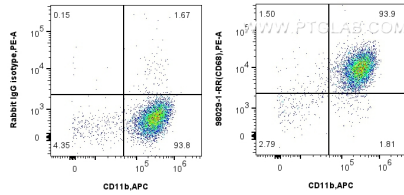
1x10^6 mouse peritoneal macrophages were intracellularly stained with 0.25 ug Anti-Mouse CD68 Rabbit Recombinant Antibody (98029-1-RR, Clone: 230504G5) or Isotype Control and PE-conjugated Goat Anti-Rabbit IgG. Cell were then stained with APC Anti-Mouse CD11b. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).
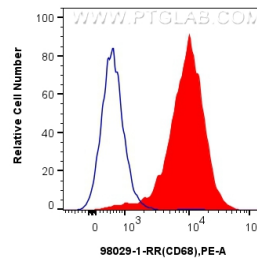
1x10^6 mouse peritoneal macrophages were intracellularly stained with 0.25 ug Anti-Mouse CD68 Rabbit Recombinant Antibody (98029-1-RR, Clone: 230504G5) (red) or Isotype Control (blue), and PE-conjugated Goat Anti-Rabbit IgG. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).
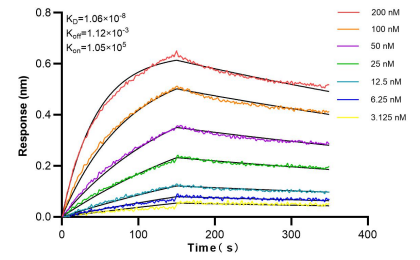
Biolayer interferometry (BLI) kinetic assays of 98029-1-RR against Mouse CD68 were performed. The affinity constant is 10.8 nM.