For Research Use Only

APC Anti-Mouse CD68 Rabbit Recombinant Antibody

Catalog Number:APC-98029

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
APC-98029

Concentration:
100ug, 200 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG0787

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 purification

CloneNo.:
230504G5

Recommended Dilutions:
FC (Intra): 0.1 ug per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
650 nm / 660 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

Positive Controls:

FC (Intra) : mouse peritoneal macrophages,

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.

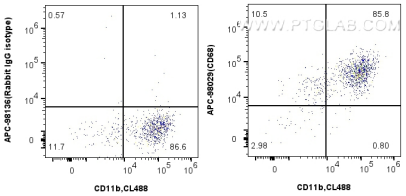
Storage

Storage:
Store at 2-8°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

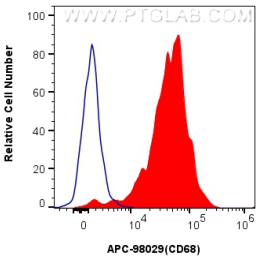
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 mouse peritoneal macrophages were intracellularly stained with CoraLite® Plus 488 Anti-Mouse CD11b and 0.1 ug APC Anti-Mouse CD68 Rabbit RecAb (APC-98029, Clone:230504G5) or APC Rabbit IgG Isotype Control RecAb (APC-98136, Clone: 240953C9). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



1x10^6 mouse peritoneal macrophages were intracellularly stained with 0.1 ug APC Anti-Mouse CD68 Rabbit RecAb (APC-98029, Clone:230504G5) (red) or APC Rabbit IgG Isotype Control RecAb (APC-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.