

For Research Use Only

Biotin Anti-Mouse CD68 Rabbit Recombinant Antibody

Catalog Number: Biotin-98029



Basic Information

Catalog Number:

Biotin-98029

Concentration:

100ug, 500 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): 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

Applications

Tested Applications:

FC (Intra), ELISA

Species Specificity:

mouse

Positive Controls:

FC (Intra): mouse peritoneal macrophages,

Background Information

Mouse CD68 (also known as macrophage) 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, pH7.3

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

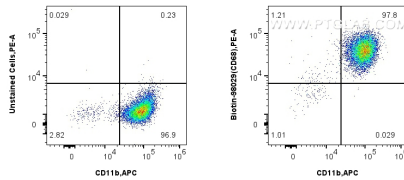
T: 4006900926

E: Proteintech-CN@ptglab.com

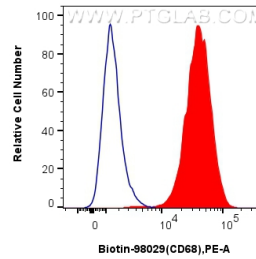
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse peritoneal macrophages were intracellularly stained with 0.25 ug Biotin Anti-Mouse CD68 Rabbit RecAb (Biotin-98029, Clone:230504G5), or unstained and Streptavidin-PE Conjugate (PE-PF00030). 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 fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer.



1x10⁶ mouse peritoneal macrophages were intracellularly stained with 0.25 ug Biotin Anti-Mouse CD68 Rabbit RecAb (Biotin-98029, Clone:230504G5) (blue), or unstained (blue) and Streptavidin-PE Conjugate (PE-PF00030). Cells were incubated with FC Receptor Block prior to fixing and staining. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).