

For Research Use Only

FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD68 Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98029



Basic Information

Catalog Number:

CL488-FcA98029

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 maximum wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra): mouse peritoneal macrophages,

Background Information

Mouse CD68 (also known as macrophage scavenger receptor 1) 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:

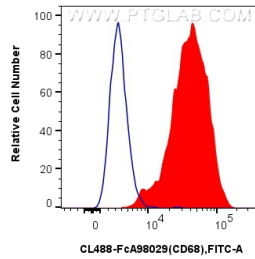
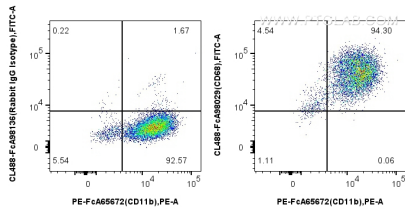
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Selected Validation Data



1x10⁶ mouse peritoneal macrophages were intracellularly stained with FcZero-rAb® PE Anti-Mouse CD11b (M1/70, and 0.25 ug CoraLite® Plus 488 Anti-Mouse CD68 Rabbit RecAb (CL488-FcA98029, Clone: 230504G5) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 Blocking Reagent (PF00029) prior to staining. Cells were fixed



1x10⁶ mouse peritoneal macrophages were intracellularly stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD68 Rabbit RecAb (CL488-FcA98029, Clone: 230504G5) (red) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 Blocking Reagent (PF00029) prior to staining. Cells were fixed and permeabilized with

