

For Research Use Only

# FcZero-rAb® CoraLite® Plus 647 Anti-Mouse CD68 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98029



## Basic Information

<b>Catalog Number:</b> CL647-FcA98029	<b>GenBank Accession Number:</b> NM_001291058.1	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 ug/ml	<b>GeneID (NCBI):</b> 12514	<b>CloneNo.:</b> 230504G5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P31996-1	<b>Recommended Dilutions:</b> FC (Intra): 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> CD68 antigen	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Immunogen Catalog Number:</b> EG0787	<b>Calculated MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra)	<b>Positive Controls:</b> FC (Intra) : mouse peritoneal macrophages,
<b>Species Specificity:</b> mouse	

## Background Information

Mouse CD68 (also known as macrophage marker) 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:

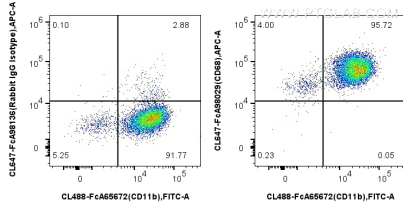
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

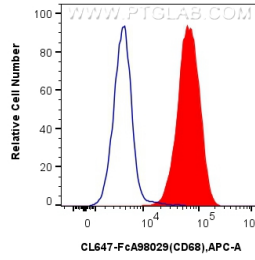
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse peritoneal macrophages were intracellularly stained with FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD11b (M1/70), and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD68 Rabbit RecAb (CL647-FcA98029, Clone: 230504G5) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 Blocking Reagent (PF00029) prior to



1x10<sup>6</sup> mouse peritoneal macrophages were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD68 Rabbit RecAb (CL647-FcA98029, Clone: 230504G5) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-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

