

For Research Use Only

Biotin Anti-Mouse CD68 Rabbit Recombinant Antibody

Catalog Number: Biotin-98029



Basic Information

Catalog Number:	Biotin-98029	GenBank Accession Number:	NM_001291058.1	Purification Method:	Protein A purification
Concentration:	100ug, 500 ug/ml	GenID (NCBI):	12514	CloneNo.:	230504G5
Source:	Rabbit	UNIPROT ID:	P31996-1	Recommended Dilutions:	FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype:	IgG	Full Name:	CD68 antigen	Excitation/Emission maxima wavelengths:	-
Immunogen Catalog Number:	EG0787	Calculated MW:	35 kDa		

Applications

Tested Applications:	FC (Intra), ELISA	Positive Controls:	
Species Specificity:	mouse	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.

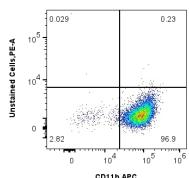
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

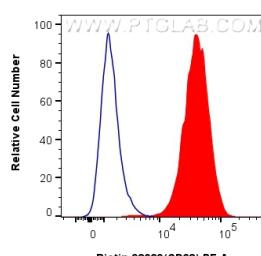
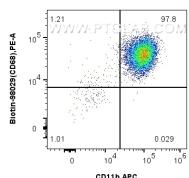
For technical support and original validation data for this product please contact:
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Selected Validation Data



1x10⁶ mouse peritoneal macrophages were intracellularly stained with 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).