

For Research Use Only

APC-conjugated CD68 Recombinant monoclonal antibody

Catalog Number: APC-83014-5



Basic Information

Catalog Number: APC-83014-5	GenBank Accession Number: NM_001291058.1	Purification Method: Protein A purification
Size: 100ul , Concentration: 200 ug/ml by Nanodrop;	GeneID (NCBI): 12514	CloneNo.: 230504G10
Source: Rabbit	UNIPROT ID: P31996-1	Recommended Dilutions: IF-P: 1:50-1:500
Isotype: IgG	Full Name: CD68 antigen	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Immunogen Catalog Number: EG0787	Calculated MW: 35 kDa	
	Observed MW: 100-120 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : mouse spleen tissue,
Species Specificity: mouse, rat	

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.

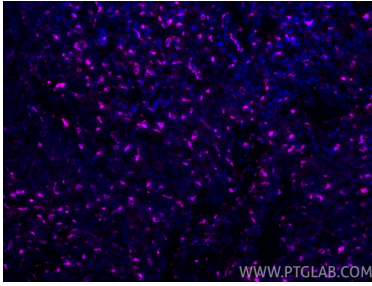
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using APC CD68 antibody (APC-83014-5, Clone: 230504G10) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).