

For Research Use Only

CoraLite®700 Anti-Human CD68 (KP1) Mouse IgG2a Recombinant Antibody

Catalog Number: CL700-65593



Basic Information

Catalog Number:	CL700-65593	GenBank Accession Number:	BC015557	Purification Method:	Protein A purification
Size:	100 tests, 5 µl/test	GenID (NCBI):	968	Clone No.:	KP1
Source:	Mouse	UNIPROT ID:	P34810	Recommended Dilutions:	FC (Intra): 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype:	IgG2a	Full Name:	CD68 molecule	Excitation/Emission maxima wavelengths:	702 nm / 723 nm
		Calculated MW:	37 kDa		

Applications

Tested Applications:	FC (Intra)	Positive Controls:
Species Specificity:	human	FC (Intra): human PBMCs,

Background Information

CD68 is a type I transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. 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.

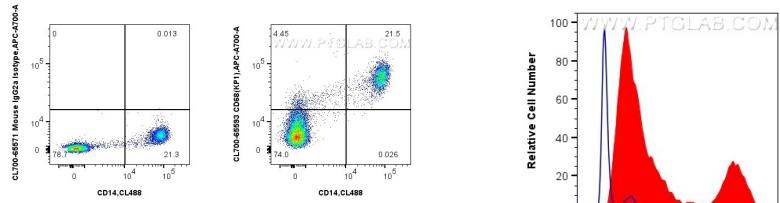
Storage

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) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were intracellularly stained with CoraLite® Plus 488 Anti-Human CD14, and 5 ul CoraLite® 700 Anti-Human CD68 (KP1) Mouse IgG2a RecAb (CL700-65593, Clone:KP1), or CoraLite® 700 Mouse IgG2a Isotype Control (MOPC-173) Recombinant Antibody (CL700-65571, Clone: MOPC-173). Cells were incubated with FC Receptor Block prior to staining. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation &

1x10⁶ human PBMCs were intracellularly stained with 5 ul CoraLite® 700 Anti-Human CD68 (KP1) Mouse IgG2a RecAb (CL700-65593, Clone:KP1) (red), or CoraLite® 700 Mouse IgG2a Isotype Control (MOPC-173) Recombinant Antibody (CL700-65571, Clone: MOPC-173) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).