

For Research Use Only

# CoraLux Violet 510 Anti-Human CD68 (KP1) Mouse IgG2a Recombinant Antibody

Catalog Number: CLV510-65593



## Basic Information

Catalog Number:	CLV510-65593	GenBank Accession Number:	BC015557	Purification Method:	Protein A purification
Concentration:	100 tests, 5 $\mu$ l/test	GeneID (NCBI):	968	Clone No.:	KP1
Source:	Mouse	UNIPROT ID:	P34810	Recommended Dilutions:	FC (Intra): 5 $\mu$ l per $10^6$ cells in a 100 $\mu$ l suspension
Isotype:	IgG2a	Full Name:	CD68 molecule	Excitation/Emission maxima wavelengths:	410 nm / 501 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:

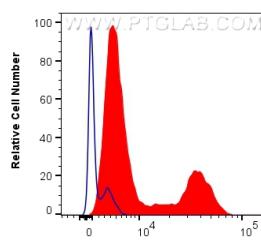
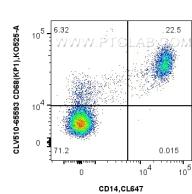
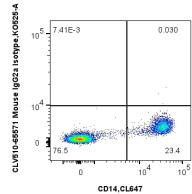
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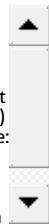
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## Selected Validation Data



**1x10<sup>6</sup> human PBMCs** were intracellularly stained with Coralite® Plus 647 Anti-Human CD14, and 5  $\mu$ l CoraLux Violet 510 Anti-Human CD68 (KP1) Mouse IgG2a RecAb (CLV510-65593, Clone:KP1), or CoraLux Violet 510 Mouse IgG2a Isotype Control (MOPC-173) Recombinant Antibody (CLV510-65571, Clone: MOPC-173). Cells were incubated with FC Receptor Block prior to staining. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization



**1x10<sup>6</sup> human PBMCs** were intracellularly stained with 5  $\mu$ l CoraLux Violet 510 Anti-Human CD68 (KP1) Mouse IgG2a RecAb (CLV510-65593, Clone:KP1) (red), or CoraLux Violet 510 Mouse IgG2a Isotype Control (MOPC-173) Recombinant Antibody (CLV510-65571, 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).