

For Research Use Only

CoraLite® Plus 488 Anti-Human CD68 (KP1) Mouse IgG2a Recombinant Antibody

Catalog Number: **CL488-65593**



Basic Information

Catalog Number:

CL488-65593

Concentration:

100tests, 5 ul/test

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC015557

GeneID (NCBI):

968

UNIPROT ID:

P34810

Full Name:

CD68 molecule

Calculated MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

KP1

Recommended Dilutions:

FC (Intra): 5 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

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:

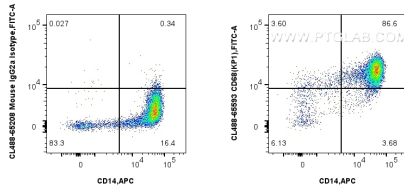
T: 4006900926

E: Proteintech-CN@ptglab.com

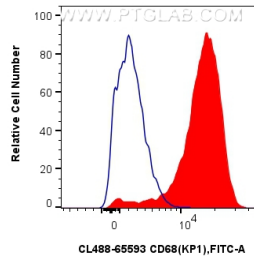
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were intracellularly stained with APC Anti-Human CD14, and 5 ul CoraLite® Plus 488 Anti-Human CD68 (KP1) Mouse IgG2a RecAb (CL488-65593, Clone: KP1) or CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4). Cells were incubated with FC Receptor Block prior to staining. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



1x10⁶ human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 488 Anti-Human CD68 (KP1) Mouse IgG2a RecAb (CL488-65593, Clone: KP1) (red) or CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (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).