

For Research Use Only

Anti-Human CD68 (Y1/82A)

Catalog Number: 65187-1-Ig **8 Publications**



Basic Information

Catalog Number:

65187-1-Ig

Size:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC015557

GeneID (NCBI):

968

UNIPROT ID:

P34810

Full Name:

CD68 molecule

Calculated MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

Y1/82A

Recommended Dilutions:

IF/ICC: 1:200-1:800

FC (Intra): 0.2 ug per 10⁶ cells in 100 µl suspension

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Applications

Tested Applications:

IF/ICC, FC (Intra)

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

IF/ICC : THP-1 cells,

FC (Intra) : human PBMCs,

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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.

Notable Publications

Author	Pubmed ID	Journal	Application
Gui-Lin Jin	36215787	Phytomedicine	IF
Qiuyuan Shao	34749292	Int Immunopharmacol	
Xianzhi Liu	35849032	Hepatology	IF

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

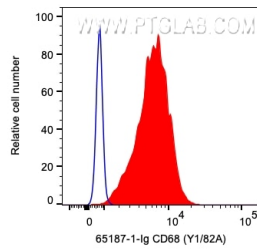
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

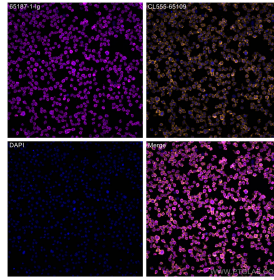
E: proteintech@ptglab.com
W: ptglab.com

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 0.2 μ g Anti-Human CD68 (65187-1-Ig, Clone:Y1/82A) and CoraLite® 594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 or unstained. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). Monocytes were gated.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CD68 antibody (65187-1-Ig, Clone: Y1/82A) at dilution of 1:400 and CoraLite647-conjugated F(ab')₂ Fragment Donkey Anti-Mouse IgG (H+L), CoraLite® Plus 555 CD45 antibody (CL555-65109, Clone: HI30).