

For Research Use Only

# CoraLite®594-conjugated CD68 Polyclonal antibody



Catalog Number: CL594-25747

1 Publications

## Basic Information

<b>Catalog Number:</b> CL594-25747	<b>GenBank Accession Number:</b> BC015557	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 968	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> CD68 molecule	<b>Excitation/Emission maxima wavelengths:</b> 593 nm / 614 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 37 kDa	
<b>Immunogen Catalog Number:</b> AG22815	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : human colon tissue, human tonsillitis tissue
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> mouse	

## 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. The apparent molecular weight of CD68 is larger than calculated molecular weight due to post-translation modification.

## Notable Publications

Author	Pubmed ID	Journal	Application
Peng Zou	35392536	Front Mol Biosci	IF

## Storage

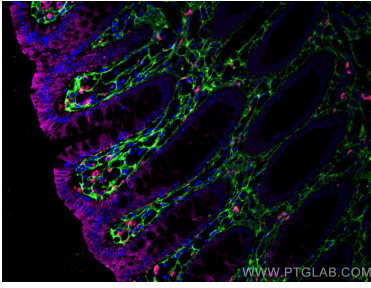
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

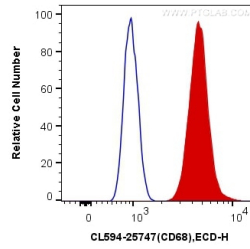
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using CoraLite@594 CD68 antibody (CL594-25747) at dilution of 1:200, Cytokeratin 20 antibody (60183-1-Ig, Clone: 4D10A4, Magenta), Collagen Type III (N-terminal) antibody (22734-1-AP, green).



1X10<sup>6</sup> RAW 264.7 cells were intracellularly stained with 0.4 ug CoraLite@594 Anti-Human CD68 (CL594-25747) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).