

For Research Use Only

# CoraLite®594-conjugated CD68 Polyclonal antibody

Catalog Number: CL594-25747 **2 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> 1000 µg/ml	<b>GeneID (NCBI):</b> 968	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P34810	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> CD68 molecule	
<b>Immunogen Catalog Number:</b> AG22815	<b>Calculated MW:</b> 37 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P: 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
Wenshuang Wang	39489991	Phytomedicine	IF

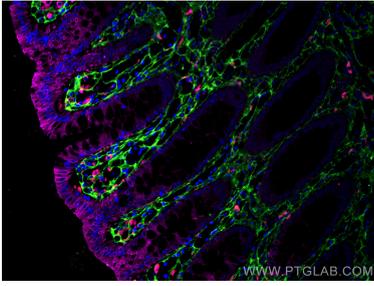
## Storage

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

For technical support and original validation data for this product please contact:  
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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).