

For Research Use Only

CoraLite® Plus 488-conjugated CD68 Polyclonal antibody



Catalog Number: **CL488-25747**

Basic Information

Catalog Number: CL488-25747	GenBank Accession Number: BC015557	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 968	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: CD68 molecule	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Isotype: IgG	Calculated MW: 37 kDa	
Immunogen Catalog Number: AG22815	Observed MW: 60 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : human tonsillitis tissue,
Species Specificity: human, 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.

Storage

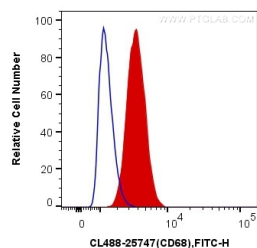
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

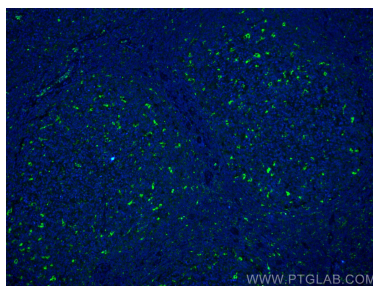
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

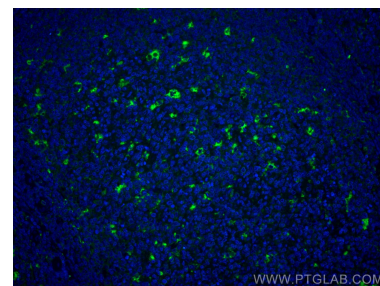
Selected Validation Data



1X10⁶ RAW 264.7 cells were intracellularly stained with 0.5 ug CoraLite® Plus 488 Anti-Human CD68 (CL488-25747) (red), or 0.5 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 CD68 antibody (CL488-25747) at dilution of 1:200.



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