

For Research Use Only

CD68 Polyclonal antibody

Catalog Number: 25747-1-AP **94 Publications**



Basic Information

Catalog Number: 25747-1-AP	GenBank Accession Number: BC015557	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 968	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:2000-1:8000 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: P34810	
Isotype: IgG	Full Name: CD68 molecule	
Immunogen Catalog Number: AG22815	Calculated MW: 37 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human

Cited Species:
human, pig, canine

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB: THP-1 cells, U-937 cells

IHC: human liver tissue, human tonsillitis tissue

IF-P: human tonsillitis tissue, human appendicitis tissue, human colon tissue, mouse spleen tissue

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
Shu-Ling Wang	31564717	Cell Death Dis	WB,IF
Shaolong Li	30264546	Cancer Sci	IHC,IF
Biao Zhou	30253896	J Vasc Surg	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

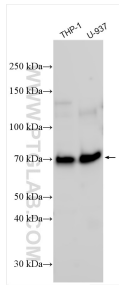
For technical support and original validation data for this product please contact:

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

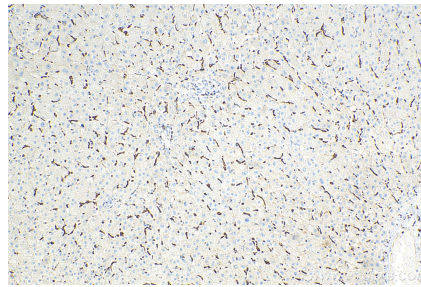
E: proteintech@ptglab.com
W: ptglab.com

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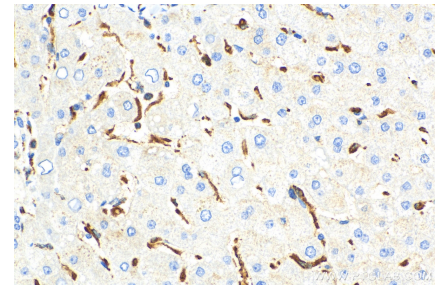
Selected Validation Data



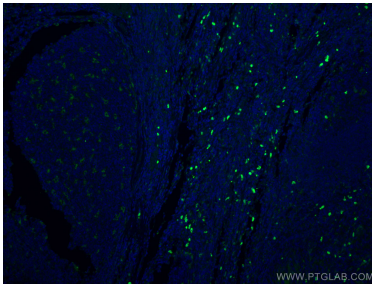
Various lysates were subjected to SDS PAGE followed by western blot with 25747-1-AP (CD68 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



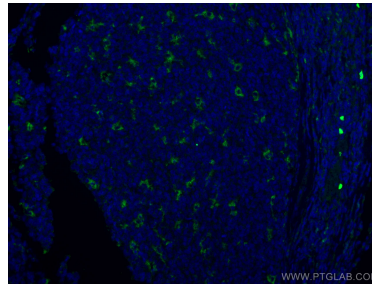
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25747-1-AP (CD68 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25747-1-AP (CD68 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD68 antibody (25747-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD68 antibody (25747-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 25747-1-AP (CD68 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CD68 antibody (25747-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).