

For Research Use Only

CD163 Polyclonal antibody

Catalog Number: 16646-1-AP

Featured Product

131 Publications



Basic Information

Catalog Number: 16646-1-AP	GenBank Accession Number: BC051281	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 9332	Recommended Dilutions: WB 1:500-1:1000 IHC 1:1000-1:4000 IF 1:50-1:500
Source: Rabbit	Full Name: CD163 molecule	
Isotype: IgG	Calculated MW: 1156 aa, 125 kDa	
Immunogen Catalog Number: AG10029	Observed MW: 130-145 kDa	

Applications

Tested Applications: FC, IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: FC, IF, IHC, WB	WB: pig spleen tissue, human placenta tissue
Species Specificity: human, mouse, pig	IHC: human tonsillitis tissue, human liver tissue, human placenta tissue, human lung tissue
Cited Species: human, rat, mouse, pig	IF: human tonsillitis tissue, human liver tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

CD163 is a transmembrane protein which belongs to the scavenger receptor cysteine-rich (SRCR) superfamily. This protein is a scavenger receptor for the hemoglobin-haptoglobin complex and is a marker for monocytes and macrophages. Soluble CD163 (sCD163), as a result of ectodomain shedding during inflammatory activation of macrophages, circulates in blood and has been suggested as a plasma/serum marker for macrophage activity.

Notable Publications

Author	Pubmed ID	Journal	Application
Xinmei Huang	34478541	J Clin Endocrinol Metab	IHC
Haoyu Guo	36201949	Biomaterials	IF
Hao Zhang	36093059	iScience	IHC, IF

Storage

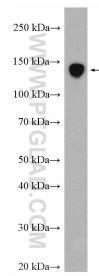
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

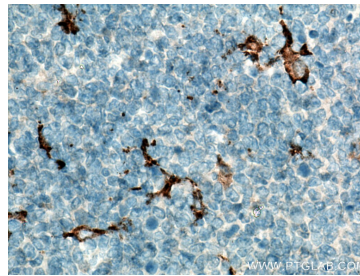
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

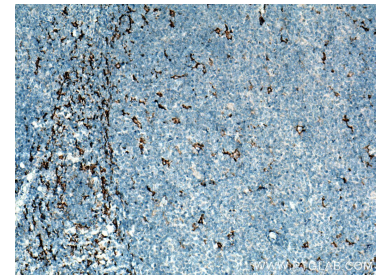
Selected Validation Data



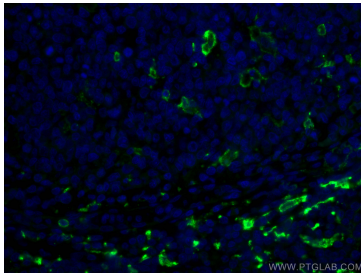
pig spleen tissue were subjected to SDS PAGE followed by western blot with 16646-1-AP (CD163 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



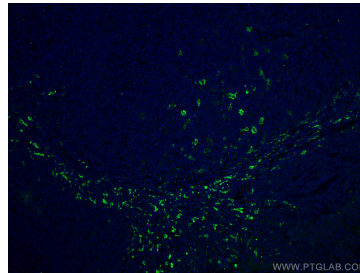
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16646-1-AP (CD163 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



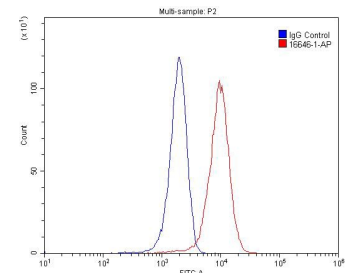
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16646-1-AP (CD163 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD163 antibody (16646-1-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 CD163 antibody (16646-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ RAW 264.7 cells were stained with 0.2ug CD163 antibody (16646-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.