

For Research Use Only

CD16 Monoclonal antibody

Catalog Number: 66779-1-Ig **2 Publications**



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
66779-1-Ig	BC017865	Protein G purification
Concentration:	GeneID (NCBI):	CloneNo.:
1002 ug/ml	2214	1E12E11
Source:	ENSEMBL Gene ID:	Recommended Dilutions:
Mouse	ENSG00000203747	IHC 1:2500-1:10000
Isotype:	UNIPROT ID:	IF-P 1:200-1:800
IgG1	P08637	
Immunogen Catalog Number:	Full Name:	
AG9787	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	
	Calculated MW:	
	254 aa, 29 kDa	

Applications

Tested Applications:	Positive Controls:
IHC, IF-P, ELISA	IHC : human liver tissue, human tonsillitis tissue
Cited Applications:	IF-P : human tonsillitis tissue,
IHC, IF	
Species Specificity:	
human	
Cited Species:	
human	

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

CD16 is a 50-70-kDa low affinity Fc receptor found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. CD16 mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. CD16 has been identified as Fc receptors Fc γ RIIIa (CD16a) and Fc γ RIIBb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B.

Notable Publications

Author	Pubmed ID	Journal	Application
Yanping Li	36213822	J Oncol	IF
Yunlong He	39076970	Front Immunol	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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

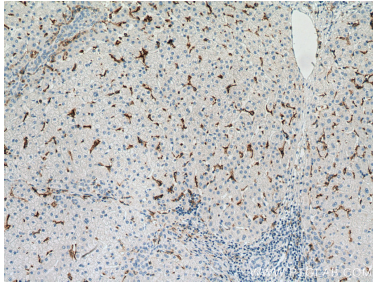
T: 4006900926

E: Proteintech-CN@ptglab.com

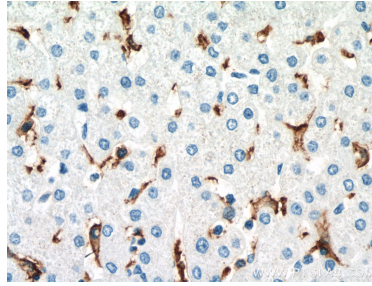
W: ptgcn.com

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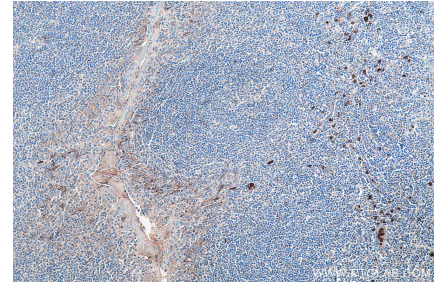
Selected Validation Data



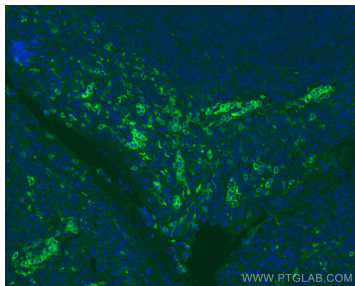
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66779-1-Ig (CD16 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66779-1-Ig (CD16 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66779-1-Ig (CD16 antibody) at dilution of 1:6000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CD16 antibody (66779-1-Ig, Clone: 1E12E11) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).