

For Research Use Only

C1qC Monoclonal antibody

Catalog Number: 66268-1-Ig **4 Publications**



Basic Information

Catalog Number: 66268-1-Ig	GenBank Accession Number: BC009016	Purification Method: Thiophilic affinity chromatograph
Size: 680 µg/ml	GeneID (NCBI): 714	CloneNo.: 1C5B4
Source: Mouse	UNIPROT ID: P02747	Recommended Dilutions: WB 1:1000-1:4000 IF 1:400-1:1600
Isotype: IgM	Full Name: complement component 1, q subcomponent, C chain	
Immunogen Catalog Number: AG10233	Calculated MW: 245 aa, 26 kDa	
	Observed MW: 26 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : human plasma tissue, IF : HUVEC cells,
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: human, rat	

Background Information

The first component of complement, C1, is a calcium-dependent complex of the 3 subcomponents C1q, C1r, and C1s. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N terminus and a C-terminal globular region. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis. This antibody is raised against C1qC which is the C-chain polypeptide of human complement subcomponent C1q.

Notable Publications

Author	Pubmed ID	Journal	Application
Lingyu Pan	35525530	J Ethnopharmacol	WB
Hanji Huang	33707956	Onco Targets Ther	WB
Anika Alberts	32286427	Sci Rep	WB

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

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

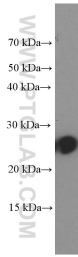
T: 4006900926

E: Proteintech-CN@ptglab.com

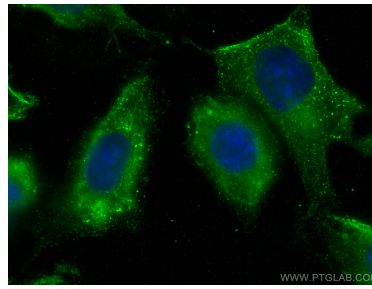
W: ptgcn.com

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Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 66268-1-Ig (C1QC Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HUVEC cells using C1qC antibody (66268-1-Ig, Clone: 1C5B4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).