

For Research Use Only

# C7 Monoclonal antibody

Catalog Number: 66908-1-Ig **1 Publications**



## Basic Information

Catalog Number: 66908-1-Ig	GenBank Accession Number: BC063851	Purification Method: Protein G purification
Size: 2000 ug/ml	GeneID (NCBI): 730	CloneNo.: 1H9C4
Source: Mouse	UNIPROT ID: P10643	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: complement component 7	
Immunogen Catalog Number: AG12552	Calculated MW: 843 aa, 94 kDa Observed MW: 100 kDa	

## Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : human plasma tissue, IF/ICC : HepG2 cells,
Cited Applications: IF	
Species Specificity: human	
Cited Species: pig	

## Background Information

C7, a single-chain plasma glycoprotein, is a component of the complement system. It is a constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells. C7 serves as a membrane anchor. People with C7 deficiency are prone to bacterial infection.

## Notable Publications

Author	Pubmed ID	Journal	Application
Nadia Khavesh	39568509	Front Cell Dev Biol	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

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

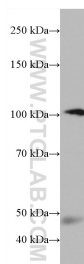
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

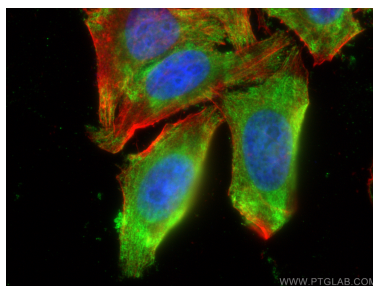
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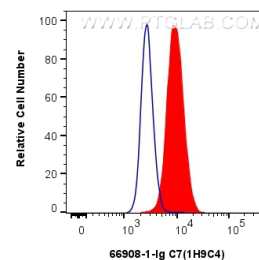
## Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 66908-1-Ig (C7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using C7 antibody (66908-1-Ig, Clone: 1H9C4 ) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.8 ug C7 Monoclonal antibody (66908-1-Ig, Clone: 1H9C4) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).