

For Research Use Only

# CoraLite® Plus 488-conjugated C1qC Monoclonal antibody

Catalog Number:CL488-66268



## Basic Information

<b>Catalog Number:</b> CL488-66268	<b>GenBank Accession Number:</b> BC009016	<b>Purification Method:</b> Thiophilic affinity chromatograph
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 714	<b>CloneNo.:</b> 1C5B4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P02747	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgM	<b>Full Name:</b> complement component 1, q subcomponent, C chain	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG10233	<b>Calculated MW:</b> 245 aa, 26 kDa	
	<b>Observed MW:</b> 26 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HUVEC cells,
<b>Species Specificity:</b> human	

## 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.

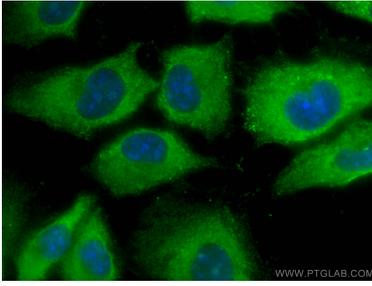
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HUVEC cells using CoraLite® Plus 488 C1qC antibody (CL488-66268, Clone: 1C5B4) at dilution of 1:200.