

For Research Use Only

# CoraLite® Plus 488-conjugated C1QA Monoclonal antibody



Catalog Number:CL488-67063

## Basic Information

Catalog Number:

CL488-67063

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28622

GenBank Accession Number:

BC030153

GeneID (NCBI):

712

UNIPROT ID:

P02745

Full Name:

complement component 1, q  
subcomponent, A chain

Calculated MW:

245 aa, 26 kDa

Observed MW:

30 kDa

Purification Method:

Protein G purification

CloneNo.:

1B10E3

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF : HepG2 cells,

## 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 C1qA which is the A-chain polypeptide of human complement subcomponent C1q.

## Storage

Storage:

Store at -20°C. Avoid exposure to light.

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:

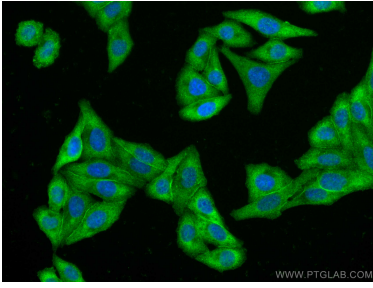
T: 4006900926

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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 C1QA antibody (CL488-67063, Clone: 1B10E3 ) at dilution of 1:200.