

For Research Use Only



# CoraLite® Plus 488-conjugated SERPING1/C1 Inactivator Polyclonal antibody

Catalog Number: **CL488-12259**

## Basic Information

<b>Catalog Number:</b> CL488-12259	<b>GenBank Accession Number:</b> BC011171	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 710	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 500 aa, 55 kDa	
<b>Immunogen Catalog Number:</b> AG2819	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> human, mouse	

## Background Information

SERPING1, also known as C1 Inhibitor (C1INH), is a member of the Serine proteinase inhibitor family. Its main function is the inhibition of the complement system to prevent spontaneous activation. It inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. Deficiency of this protein is associated with hereditary angioneurotic oedema (HANE). C1INH is the most heavily glycosylated plasma protein. Of its 95-105 kDa apparent molecular mass, the protein moiety of 500 aa accounts for only 55 kDa. The native 105 kDa form of C1INH could be cleaved into 60-65 kDa fragments.

## 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

\*\*\* 20ul sizes contain 0.1% BSA

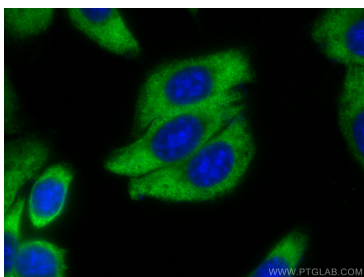
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 SERPING1/C1 Inactivator antibody (CL488-12259) at dilution of 1:200.