

For Research Use Only

# CoraLite® Plus 488-conjugated CHI3L1/YKL40 Polyclonal antibody

Catalog Number: CL488-12036

Featured Product



## Basic Information

Catalog Number:

CL488-12036

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2710

GenBank Accession Number:

BC008568

GeneID (NCBI):

1116

UNIPROT ID:

P36222

Full Name:

chitinase 3-like 1 (cartilage  
glycoprotein-39)

Calculated MW:

383 aa, 43 kDa

Observed MW:

40, 33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : HepG2 cells,

## Background Information

Chitinase 3-like-1 (CHI3L1/YKL-40/CGP-39/GP-39/hCGP-39) is a protein secreted from restricted cell types including colonic epithelial cells (CECs) and macrophages. CHI3L1 is an inflammation-associated molecule, and its expression is enhanced in persons with colitis and colon cancer. CHI3L1 is a 40 kDa protein and is produced by restricted cell types, including colonic epithelial cells (CECs) and macrophages. CHI3L1 can be detected in the Golgi apparatus and the endoplasmic reticulum, but its major sites of action seems to be extracellular as a secreted protein. (PMID:21763261)

## 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:

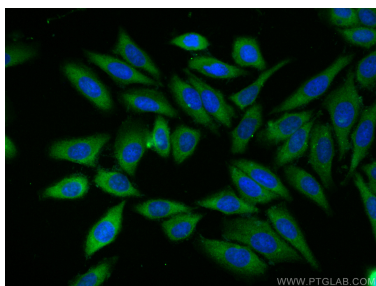
T: 4006900926

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

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

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 HepG2 cells using Coralite® Plus 488  
CHI3L1/YKL40 antibody (CL488-12036) at dilution  
of 1:200.