

For Research Use Only

CoraLite® Plus 488-conjugated Cystatin C Polyclonal antibody

Catalog Number:CL488-12245



Basic Information

Catalog Number:

CL488-12245

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2890

GenBank Accession Number:

BC013083

GeneID (NCBI):

1471

UNIPROT ID:

P01034

Full Name:

cystatin C

Calculated MW:

146 aa, 16 kDa

Observed MW:

13 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, IF-P

Species Specificity:

human, mouse

Positive Controls:

IF-P : mouse kidney tissue,

IF/ICC : HeLa cells,

Background Information

Cystatin C is a 13-kDa inhibitor of cysteine proteinases which is secreted by all cell types and is completely cleared from the organism through glomerular filtration, shown to be an early and sensitive biomarker of renal dysfunction. It is also used as an emerging biomarker in cardiovascular disease. Cystatin C is involved in a variety of inflammatory reactions. The concentration of serum cystatin C has also been shown to be unaltered in certain inflammatory conditions or other disorders of metabolism. The plasma level of serum cystatin C can be expressed as its level of generation from cells and diet and its subsequent elimination through the gut, liver, and kidneys.

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

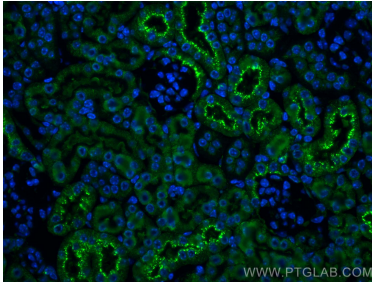
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

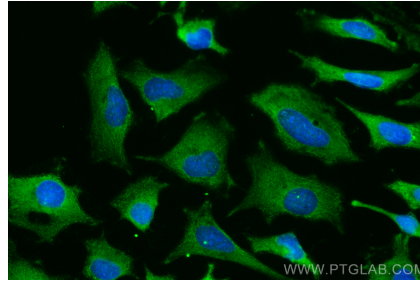
E: proteintech@ptglab.com
W: ptglab.com

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 (4% PFA) fixed paraffin-embedded mouse kidney tissue using CoraLite® Plus 488 Cystatin C antibody (CL488-12245) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 Cystatin C antibody (CL488-12245) at dilution of 1:200.