

For Research Use Only

CoraLite® Plus 488-conjugated Cystatin C Recombinant antibody



Catalog Number: CL488-82441

Basic Information

Catalog Number: CL488-82441	GenBank Accession Number: BC013083	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 1471	CloneNo.: 1120
Source: Rabbit	UNIPROT ID: P01034	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG	Full Name: cystatin C	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG2890	Calculated MW: 146 aa, 16 kDa	
	Observed MW: 13 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse kidney tissue,
Species Specificity: Human, mouse	

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:

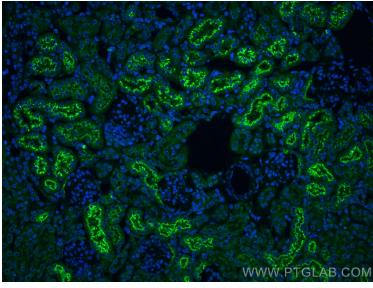
T: 4006900926

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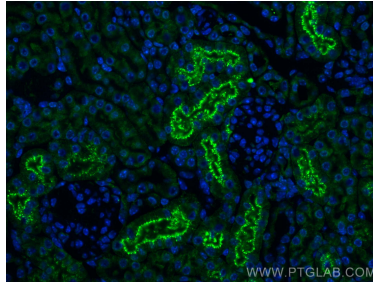
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using CoraLite® Plus 488 Cystatin C antibody (CL488-82441, Clone: 1120) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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