For Research Use Only

CoraLite® Plus 488-conjugated Collagen Type III (N-terminal) Recombinant antibody

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Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-80009

Basic Information

Catalog Number:
CL488-80009

Size:
100ul , Concentration: 500 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18658

GenBank Accession Number:
BC028178

GeneID (NCBI):
1281

Full Name:
collagen, type III, alpha 1

Calculated MW:
1466 aa, 139 kDa

Observed MW:
140-180 kDa

Purification Method:
Protein A purification

CloneNo.:
2O1

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
488 nm / 515 nm

Applications

Tested Applications:
IF

Species Specificity:
Human

Positive Controls:

IF : human colon tissue,

Background Information

Type III collagen is a fibrillar forming collagen comprising three α1(III) chains and is expressed in early embryos and throughout embryogenesis (PMID: 9050868). In the adult, type III collagen is a major component of the extracellular matrix in a variety of internal organs and skin. It occurs in most soft connective tissues along with type I collagen (PMID: 2445760). COL3A1 gene encodes type III procollagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms (PMID: 10706896; 2243125; 18389341). This antibody was raised against 24-152 aa of prepro α1 (III) chain of human type III procollagen. It can't recognize mouse or rat type III collagen.

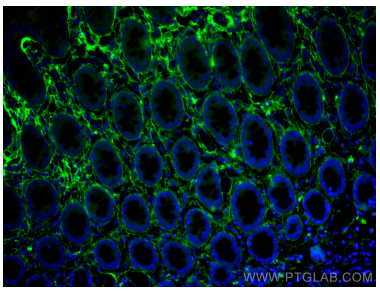
Storage

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

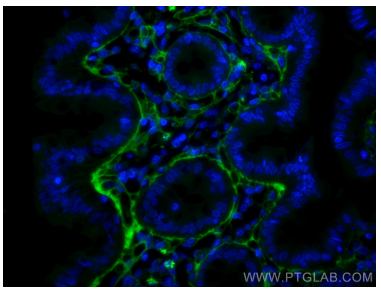
***** 20ul sizes contain 0.1% BSA**

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using CoraLite® Plus 488 Collagen Type III (N-terminal) antibody (CL488-80009, Clone: 2D1) at dilution of 1:100.



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