

For Research Use Only

# CoraLite® Plus 647-conjugated Collagen Type III (N-terminal) Recombinant antibody



Catalog Number: **CL647-80009**

## Basic Information

<b>Catalog Number:</b> CL647-80009	<b>GenBank Accession Number:</b> BC028178	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 1281	<b>CloneNo.:</b> 201
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P02461	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> collagen, type III, alpha 1	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Immunogen Catalog Number:</b> AG18658	<b>Calculated MW:</b> 1466 aa, 139 kDa	
	<b>Observed MW:</b> 140-180 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF : human colon tissue,
<b>Species Specificity:</b> Human	

## Background Information

Type III collagen is a fibrillar forming collagen comprising three  $\alpha 1(\text{III})$  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  $\alpha 1(\text{III})$  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**

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

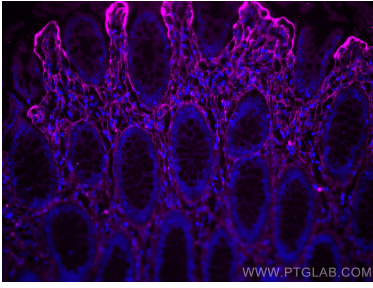
T: 4006900926

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

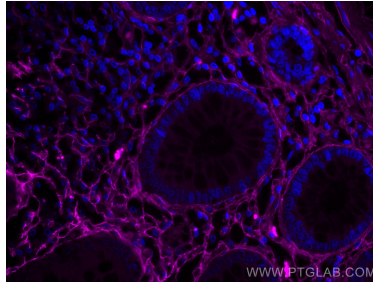
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using CoraLite® Plus 647 Collagen Type III (N-terminal) antibody (CL647-80009, Clone: 2O1) at dilution of 1:200.



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