

For Research Use Only

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

Catalog Number: CL647-80009



Basic Information

Catalog Number: CL647-80009	GenBank Accession Number: BC028178	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1281	CloneNo.: 201
Source: Rabbit	UNIPROT ID: P02461	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG	Full Name: collagen, type III, alpha 1	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG18658	Calculated MW: 1466 aa, 139 kDa	
	Observed MW: 140-180 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : human colon tissue,
Species Specificity: 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.

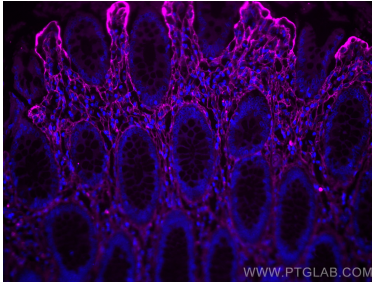
Storage

Storage:
Store at -20°C. Avoid exposure to light. 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

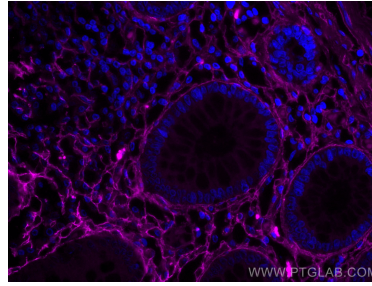
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed 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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