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PRODUCT DATASHEET

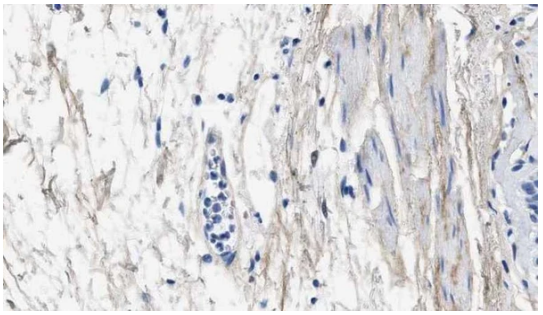
Anti-Type III Collagen Antibody

Product Details

Available Variants	100 uL (SKU:CSI 007-01-010) 400 uL (SKU:CSI 007-01-04) 1000 uL (SKU:CSI 007-01-1)
Conjugate	Unconjugated
Isotype	IgG1/k
Clone	1E7-D7/Col3
Gene Name	COL3A1
Host Species	Mouse
Concentration	1 mg/mL ±15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA, IHC, WB
Species Reactivity	Canine, Human, Kangaroo
Immunogen	Acid-digested pepsin soluble human type III collagen
Specificity	CSI 007-01 is highly specific for type III collagen. It has been shown to have no cross-ractivity with type I and V collagens by ELISA and immunoblotting. There is no evidence for cross-reactivity with other connective tissue proteins (laminin, fibronectin, elastin). Epitope is located approximately 100nm from the N-terminal of the molecule.
Molecular Weight	139 kDa
Storage	2-8°C without exposure to light
UniProt ID	P02461 UniProt Summary: Collagen type III occurs in most soft connective tissues

	along with type I collagen. Involved in regulation of cortical development. Is the major ligand of ADGRG1 in the developing brain and binding to ADGRG1 inhibits neuronal migration and activates the RhoA pathway by coupling ADGRG1 to GNA13 and possibly GNA12.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	1281

Product Images



Immunohistochemistry detection of Type III Collagen in human bronchus tissue using Anti-Type III Collagen Antibody (Cat.CSI 007-01-010). Tissue was mounted and pariffin fixed. Heat induced antigen retrieval was performed using citrate buffer, heated, and then blocked. After washing, the primary antibody (Cat.CSI 007-01-010) was incubated with the sample.