

Product datasheet for **AM32235PU-N**

Collagen III (COL3A1) Mouse Monoclonal Antibody [Clone ID: MC3-HA]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MC3-HA
Applications:	ELISA, IHC, R, WB
Recommended Dilution:	ELISA. Western Blot. Radioimmunoassay. Immunohistochemistry on Frozen Sections: Fixation with acetone for 5 minutes at -20°C is recommended. Staining of paraffin material generally renders less successful results. <i>Working Dilution: 1/20.</i>
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Specificity:	This Monoclonal antibody reacts exclusively with Human Collagen type III. It lacks cross reactivity with any other collagen type and plasma proteins.
Formulation:	State: Purified State: Lyophilized purified Ascites
Reconstitution Method:	Restore with 1 ml sterile water and add preservative if preferred.
Concentration:	0.2 mg/ml (after reconstitution)
Purification:	PEG6000 precipitation + Sepharose 6B gel filtration
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen type III alpha 1 chain



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Database Link: [Entrez Gene 1281 Human P02461](#)

Background: Collagen III is a fibrillar collagen that is found in extensible connective tissues such as skin, lung, and the vascular system, frequently in association with type I Collagen. Mutations in the gene are associated with Ehlers Danlos syndrome type IV, and with aortic and arterial aneurysms. Although alternate transcripts have been detected for this gene, they are the result of mutations; these mutations alter splicing, often leading to the exclusion of multiple exons.

Synonyms: COL3A1