

## Product datasheet for BM333

### Collagen III (COL3A1) Mouse Monoclonal Antibody [Clone ID: NLI/42]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	NLI/42
Applications:	ELISA, IHC
Recommended Dilution:	Immunohistochemistry on Frozen sections: 1/20 - 1/80. ELISA: 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Native collagen III.
Specificity:	This antibody reacts with collagen type III, a fibrillar collagen found in extensible connective tissues such as skin, lung, and the vascular system, frequently in association with type I Collagen. This antibody recognizes both the heat denatured and native forms of collagen type III.
Formulation:	Phosphate/Borate buffered saline containing 0.1% Mannitol State: Ig Fraction State: Lyophilized purified IgM
Reconstitution Method:	Restore with 1 ml sterile distilled water
Purification:	Ion exchange chromatography
Conjugation:	Unconjugated
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen type III alpha 1 chain
Database Link:	<a href="#">Entrez Gene 1281 Human</a> <a href="#">P02461</a>

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**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