

# Product Datasheet

## Collagen III alpha 1/COL3A1 Antibody (1E7-D7/Col3) [DyLight 650] NBP1-05119C

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-05119C**

Collagen III alpha 1/COL3A1 Antibody (1E7-D7/Col3) [DyLight 650]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	1E7-D7/Col3
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	DyLight 650
Purity	Protein A purified
Buffer	50mM Sodium Borate
Target Molecular Weight	139 kDa
Product Description	
Host	Mouse
Gene ID	1281
Gene Symbol	COL3A1
Species	Human, Mouse, Rat, Canine, Kangaroo, Rabbit
Reactivity Notes	Rabbit reactivity reported in scientific literature (PMID: 26373929). Mouse reactivity reported in scientific literature (PMID: 30594070).
Specificity/Sensitivity	Highly specific for type III collagen. It has been shown to have no cross reactivity 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).
Immunogen	This Collagen III alpha 1/COL3A1 Antibody (1E7-D7/Col3) was developed against acid-digested pepsin soluble human type III collagen
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
Application Notes	Optimal dilution of this antibody should be experimentally determined. IHC: NBP1-05119 has been used successfully for immunohistology on frozen unfixed sections of human (5) and kangaroo (6) skin, and of new dog tissue associated with biomaterial implants. (7, 8) If fixation of tissue is required, acetone or ethanol is recommended. (5, 6, 7, 8).





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### **Products Related to NBP1-05119C**

NBP1-43319C	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 650]
NBP1-97267	Collagen III alpha 1/COL3A1 Native Protein
7754-BH-005/CF	TGF-beta 1 [Unconjugated]
7294-CL-020	Collagen III alpha 1/COL3A1 [Unconjugated]

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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