

Datasheet: 2150-0081

BATCH NUMBER 162349

Description:	MOUSE ANTI HUMAN COLLAGEN III
Specificity:	COLLAGEN III
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	NLI/42
Isotype:	IgM
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			1/20 - 1/80
ELISA	▪			1/500 - 1/2000
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgM - lyophilized
Reconstitution	Reconstitute with 1.0ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Preparation	Purified IgM prepared by ion exchange chromatography from ascites
Buffer Solution	0.15M Sodium Chloride 0.01M Sodium Phosphate
Preservative	1% Mannitol
Stabilisers	1% Dextran

Approx. Protein Concentrations 0.1mg/ml after reconstitution.

External Database Links

UniProt:
[P02461](#) [Related reagents](#)

Entrez Gene:
[1281](#) COL3A1 [Related reagents](#)

RRID AB_620105

Specificity **Mouse anti Human collagen III antibody, clone NLI/42** recognizes human collagen type III encoded by the COL3A1 gene. Collagen type III is expressed in most soft connective tissues.

References

1. Ashjian, P. *et al.* (2004) Noninvasive in situ evaluation of osteogenic differentiation by time-resolved laser-induced fluorescence spectroscopy. [Tissue Eng. 10 \(3-4\): 411-20.](#)
2. Gonzalez, G. *et al.* (2007) Methods and Therapies for Treating Inflammatory Conditions with Exposed Collagen [US Patent Application US20070071676 A1](#)

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted.

Guarantee Guaranteed until date of expiry. Please see product label.

Health And Safety Information Material Safety Datasheet documentation #20472 available at:
<https://www.bio-rad-antibodies.com/SDS/2150-0081>
20472

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...) [Alk. Phos.](#)
Human Anti Mouse IgM (HCA040...) [FITC](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgM NEGATIVE CONTROL \(MCA692\)](#)

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