

## Datasheet: 2150-0081

<b>Description:</b>	MOUSE ANTI HUMAN COLLAGEN III
<b>Specificity:</b>	COLLAGEN III
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	NLI/42
<b>Isotype:</b>	IgM
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgM - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Purified IgM prepared by ion exchange chromatography from ascites
<b>Buffer Solution</b>	0.15M Sodium Chloride 0.01M Sodium Phosphate
<b>Preservative</b>	1% Mannitol
<b>Stabilisers</b>	1% Dextran

**Approx. Protein Concentrations** 0.1mg/ml after reconstitution.

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**External Database Links**

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

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

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**RRID** AB\_620105

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**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.

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**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](#)

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

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

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**Health And Safety Information** Material Safety Datasheet documentation #20472 available at: 20472: <https://www.bio-rad-antibodies.com/uploads/MSDS/20472.pdf>

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**Regulatory** For research purposes only

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## 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 \(MCA692\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
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