

## Datasheet: 2150-0121

<b>Description:</b>	MOUSE ANTI HUMAN COLLAGEN IV
<b>Specificity:</b>	COLLAGEN IV
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	NLI/53
<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	▪			1/5 - 1/50
Immunohistology - Paraffin	▪			1/5 - 1/50
ELISA	▪			1/800 - 1/1200
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 - lyophilised
<b>Reconstitution</b>	Reconstitute with 1.0 ml 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. For long term storage the addition of 0.09% sodium azide is recommended.
<b>Preparation</b>	Purified IgM prepared by ion exchange chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	1% Mannitol
<b>Stabilisers</b>	1% Dextran
<b>Approx. Protein Concentrations</b>	IgM concentration 0.1 mg/ml after reconstitution
<b>External Database Links</b>	<b>UniProt:</b>

[P02462](#) [Related reagents](#)  
[P08572](#) [Related reagents](#)  
[Q01955](#) [Related reagents](#)  
[P53420](#) [Related reagents](#)  
[P29400](#) [Related reagents](#)  
[Q14031](#) [Related reagents](#)

**Entrez Gene:**

[1282](#) COL4A1 [Related reagents](#)  
[1284](#) COL4A2 [Related reagents](#)  
[1285](#) COL4A3 [Related reagents](#)  
[1286](#) COL4A4 [Related reagents](#)  
[1287](#) COL4A5 [Related reagents](#)  
[1288](#) COL4A6 [Related reagents](#)

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<b>RRID</b>	AB_2082645
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<b>Specificity</b>	<b>Mouse anti Human collagen IV antibody, clone NLI/53</b> recognizes human collagen IV.
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<b>References</b>	1. Cooper, L.J. <i>et al.</i> (2005) An investigation into the composition of amniotic membrane used for ocular surface reconstruction <a href="#">Cornea. 24: 722-9.</a>
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<b>Storage</b>	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10116 available at: 10116: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10116.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10116.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

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

Goat Anti Mouse IgM (STAR138...) [Alk. Phos.](#)

Human Anti Mouse IgM (HCA040...) [FITC](#)

### 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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