

## 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.

### Target Species

Human

### Product Form

Purified IgM - lyophilised

### Reconstitution

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.

### Preparation

Purified IgM prepared by ion exchange chromatography from ascites

### Buffer Solution

0.1M Sodium Chloride  
0.01M Sodium Phosphate  
0.01M Sodium Borate

**Preservative** 1% Mannitol  
**Stabilisers** 1% Dextran

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

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**External Database Links**

**UniProt:**

[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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**RRID** AB\_2082645

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**Specificity** **Mouse anti Human collagen IV antibody, clone NLI/53** recognizes human collagen IV.

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**References** 1. Cooper, L.J. *et al.* (2005) An investigation into the composition of amniotic membrane used for ocular surface reconstruction [Cornea. 24: 722-9.](#)

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

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**Health And Safety Information** Material Safety Datasheet documentation #20482 available at: 20482: <https://www.bio-rad-antibodies.com/uploads/MSDS/20482.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 \(MCA692\)](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
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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](https://bio-rad-antibodies.com/datasheets)

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