

## Datasheet: 2150-1410

<b>Description:</b>	RABBIT ANTI MOUSE COLLAGEN I
<b>Specificity:</b>	COLLAGEN I
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 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	▪			
Immunohistology - Paraffin	▪			1/250 - 1/1000
ELISA	▪			1/100 - 1/400
Western Blotting	▪			
Immunofluorescence	▪			1/50 - 1/100
Radioimmunoassays	▪			

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>	Mouse
<b>Product Form</b>	Purified Ig - liquid
<b>Preparation</b>	Purified Ig prepared by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Native type I collagen from mouse skin.

### External Database Links

#### UniProt:

[P11087](#) [Related reagents](#)  
[Q01149](#) [Related reagents](#)

#### Entrez Gene:

[12842](#) Col1a1 [Related reagents](#)  
[12843](#) Col1a2 [Related reagents](#)

<b>Synonyms</b>	Cola1, Cola2
<b>Specificity</b>	<b>Rabbit anti Mouse Collagen I antibody</b> recognizes murine collagen 1. Collagen 1 is a fibrillar forming collagen, a secreted protein forming part of the extracellular matrix. Less than 1% cross reactivity has been observed with mouse collagen, types II, VI and III and human, chicken and rat collagen, type I.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Uezumi, A. <i>et al.</i> (2011) Fibrosis and adipogenesis originate from a common mesenchymal progenitor in skeletal muscle. <a href="#">J Cell Sci. 124: 3654-64.</a></li> <li>2. Takase, H.M. <i>et al.</i> (2013) FGF7 is a functional niche signal required for stimulation of adult liver progenitor cells that support liver regeneration. <a href="#">Genes Dev. 27: 169-81.</a></li> <li>3. Birbrair A <i>et al.</i> (2013) Type-1 pericytes participate in fibrous tissue deposition in aged skeletal muscle. <a href="#">Am J Physiol Cell Physiol. 305 (11): C1098-113.</a></li> <li>4. Randles, M.J. <i>et al.</i> (2015) Genetic Background is a Key Determinant of Glomerular Extracellular Matrix Composition and Organization. <a href="#">J Am Soc Nephrol. 26 (12): 3021-34.</a></li> <li>5. Ma, M.S. <i>et al.</i> (2016) Characterization and comparison of osteoblasts derived from mouse embryonic stem cells and induced pluripotent stem cells. <a href="#">J Bone Miner Metab. Jan 8. [Epub ahead of print]</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> , <a href="#">DyLight@649</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a>

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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