

Datasheet: 2150-1950

**BATCH NUMBER 167730**

<b>Description:</b>	RABBIT ANTI RAT COLLAGEN III
<b>Specificity:</b>	COLLAGEN III
<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
Flow Cytometry			■	
Immunohistology - Frozen	■			1/250 - 1/1000
Immunohistology - Paraffin	■			1/250 - 1/1000
ELISA	■			1/100 - 1/400
Western Blotting			■	
Immunofluorescence	■			1/80
Radioimmunoassays	■			1/25 - 1/100

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>	Rat
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline

0.1M Citrate

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<b>Preservative</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	Antibiotic antimycotic mixture 1%

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<b>Immunogen</b>	Purified collagen III from rat skin.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P13941</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">84032</a> Col3a1 <a href="#">Related reagents</a>
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<b>RRID</b>	AB_620499
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<b>Specificity</b>	<b>Rabbit anti Rat Collagen III antibody</b> recognizes rat collagen type III, a fibrillar collagen found in extensible connective tissues such as skin, lung, and the vascular system, frequently in association with type I Collagen.
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Rabbit anti Rat Collagen III antibody (**2150-1950**) shows less than 10% cross-reactivity with collagen type V and minimal reactivity with rat collagen type I and elastin.

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<b>References</b>	<ol style="list-style-type: none"><li>1. Vialle-presles, M.J. <i>et al.</i> (1989) Immunohistochemical study of the biological fate of a subcutaneous bovine collagen implant in rat. <a href="#">Histochemistry. 91 (3): 177-84.</a></li><li>2. Dankers, P.Y.W. <i>et al.</i> (2015) Convenient formulation and application of a supramolecular ureido-pyrimidinone modified poly(ethylene glycol) carrier for intrarenal growth factor delivery <a href="#">Eur Polymer J. 72: 484-493.</a></li><li>3. Oshita, T. <i>et al.</i> (2016) Adipose-Derived Stem Cells Improve Collagenase-Induced Tendinopathy in a Rat Model. <a href="#">Am J Sports Med. 44 (8): 1983-9.</a></li></ol>
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Riser, B.L. <i>et al.</i> (1992) Intraglomerular pressure and mesangial stretching stimulate extracellular matrix formation in the rat. <a href="#">J Clin Invest. 90 (5): 1932-43.</a></li></ol>
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<b>Storage</b>	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.
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Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20470 available at: <a href="https://www.bio-rad-antibodies.com/SDS/2150-1950">https://www.bio-rad-antibodies.com/SDS/2150-1950</a> 20470
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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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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