

## Datasheet: 2150-1950

<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>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Purified collagen III from rat skin.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P13941</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">84032</a>    Col3a1    <a href="#">Related reagents</a></p>

<b>Specificity</b>	<b>Rabbit anti Rat Collagen III antibody</b> recognises 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.  Rabbit anti Rat Collagen III antibody ( <b>2150-1950</b> ) shows less than 10% cross-reactivity with collagen type V and minimal reactivity with rat collagen type I and elastin.
<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="#">European Polymer Journal. 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>
<b>Further Reading</b>	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>
<b>Storage</b>	Store at +4°C or at -20°C if preferred. 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.
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10266 available at: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10266.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10266.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

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

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

<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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