

Datasheet: 2150-0100

**BATCH NUMBER 167862**

<b>Description:</b>	RABBIT ANTI HUMAN 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>	0.5 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	■			
Immunohistology - Paraffin	■			1/10 - 1/40
ELISA	■			1/2000 - 1/8000
Western Blotting			■	

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 IgG - lyophilized
<b>Reconstitution</b>	<p>Reconstitute with 0.5 ml distilled water</p> <p>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.</p>
<b>Antiserum Preparation</b>	<p>Antiserum to native and denatured human collagen type III was raised by repeated immunisation of rabbits with highly purified antigen. 2150-0100 has been cross-absorbed with immobilised human collagen types I, IV and V and with human blood plasma proteins.</p>
<b>Buffer Solution</b>	0.1M Sodium Chloride

	0.01M Sodium Phosphate 0.01M Sodium Borate						
<b>Preservative Stabilisers</b>	1% Mannitol 1% Dextran						
<b>Approx. Protein Concentrations</b>	0.1 mg/ml after reconstitution						
<b>Immunogen</b>	Collagen III from human placenta.						
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P02461</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">1281</a> COL3A1 <a href="#">Related reagents</a>						
<b>RRID</b>	AB_620309						
<b>Specificity</b>	<p><b>Rabbit anti Human collagen III antibody</b> recognizes human collagen type III. It has shown the following cross-reactivities.</p> <table> <tr> <td>Human collagen type I</td><td>&lt;15%</td></tr> <tr> <td>Human collagen type IV</td><td>&lt;5%</td></tr> <tr> <td>Human collagen type II and V</td><td>&lt;1%</td></tr> </table> <p>Human plasma proteins do not interfere with binding of the antibody to collagen.</p>	Human collagen type I	<15%	Human collagen type IV	<5%	Human collagen type II and V	<1%
Human collagen type I	<15%						
Human collagen type IV	<5%						
Human collagen type II and V	<1%						
<b>References</b>	<ol style="list-style-type: none"> <li>George, C.L. <i>et al.</i> (2001) Endotoxin responsiveness and subchronic grain dust-induced airway disease. <a href="#">Am J Physiol Lung Cell Mol Physiol. 280 (2): L203-13.</a></li> <li>El-Domyati, M. <i>et al.</i> (2002) Intrinsic aging vs. photoaging: a comparative histopathological, immunohistochemical, and ultrastructural study of skin. <a href="#">Exp Dermatol. 11: 398-405.</a></li> <li>Sammons, R.L. <i>et al.</i> (2002) Histochemical, immunohistological and scanning electron microscope analysis of tissue retained on spontaneously extruded ventilation tubes. <a href="#">J Laryngol Otol. 116: 333-9.</a></li> <li>El-Domyati, M.B. <i>et al.</i> (2004) Trichloroacetic acid peeling versus dermabrasion: a histometric, immunohistochemical, and ultrastructural comparison. <a href="#">Dermatol Surg. 30: 179-88.</a></li> <li>El-Domyati, M.M. <i>et al.</i> (2004) Effect of topical tretinoin on photoaged facial skin: a histometric, immunohistochemical and ultrastructural study. <a href="#">J Cosmet Dermatol. 3: 191-201.</a></li> <li>Iglezias, S.D. <i>et al.</i> (2008) Endomyocardial fibrosis: pathological and molecular findings of surgically resected ventricular endomyocardium. <a href="#">Virchows Arch. 453: 233-41.</a></li> <li>von Zur Muhlen, C. <i>et al.</i> (2009) Evaluation of urine proteome pattern analysis for its potential to reflect coronary artery atherosclerosis in symptomatic patients. <a href="#">J Proteome Res. 8 (1): 335-45.</a></li> </ol>						

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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. Avoid repeated freezing and thawing as this may denature the antibody.
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20482 available at: <a href="https://www.bio-rad-antibodies.com/SDS/2150-0100">https://www.bio-rad-antibodies.com/SDS/2150-0100</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
 Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
 Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
 'M391128:211008'

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