

Datasheet: 2150-0510GA

**BATCH NUMBER 153678**

<b>Description:</b>	RABBIT ANTI BOVINE 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	▪			
ELISA	▪			
Western Blotting			▪	
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

Bovine

### Species Cross Reactivity

Reacts weakly with:Human

**N.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.

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>)

<b>Stabilisers</b>	Antibiotic antimycotic mixture 1%
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml.
<b>Immunogen</b>	Purified collagen type I from bovine dermis.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P02453</a>    <a href="#">Related reagents</a></p> <p><a href="#">P02465</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">282187</a> COL1A1    <a href="#">Related reagents</a></p> <p><a href="#">282188</a> COL1A2    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_10851497
<b>Specificity</b>	<p><b>Rabbit anti Bovine collagen I antibody</b> recognizes bovine collagen type I and cross reacts weakly with human collagen type I. Negligible reactivity has been observed with chicken collagen I, Bovine collagen II, IX and XI and bovine fibronectin.</p> <p>Collagen is located in the extracellular matrix of connective tissues. It is part of the interacting network of proteoglycans and proteins that provides a structural framework for both soft and calcified connective tissues. Type I collagen (95 kDa) is found in bone, cornea, skin and tendon. Mutations in the encoding gene are associated with osteogenesis imperfecta, Ehlers Danlos syndrome, and idiopathic osteoporosis.</p>
<b>References</b>	1. Halwachs, S. <i>et al.</i> (2013) Fungicide prochloraz and environmental pollutant dioxin induce the ABCG2 transporter in bovine mammary epithelial cells by the arylhydrocarbon receptor signaling pathway. <a href="#">Toxicol Sci. 131 (2): 491-501.</a>
<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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20470 available at: <a href="https://www.bio-rad-antibodies.com/SDS/2150-0510GA">https://www.bio-rad-antibodies.com/SDS/2150-0510GA</a> 20470
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

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 \(BUF025A\)](#)

**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)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

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

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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

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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