

Datasheet: 131001

**BATCH NUMBER 167837**

<b>Description:</b>	GOAT ANTI HUMAN 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>	0.2 mg

## 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	▪			1/10 - 1/20
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human type 1 collagen were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Borate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein</b>	Ig concentration 0.4 mg/ml

## Concentrations

**Immunogen** Human type 1 collagen.

## External Database Links

### UniProt:

[P02452](#) [Related reagents](#)

[P08123](#) [Related reagents](#)

### Entrez Gene:

[1277](#) COL1A1 [Related reagents](#)

[1278](#) COL1A2 [Related reagents](#)

**RRID** AB\_609609

**Specificity** **Goat anti Human collagen I antibody** recognizes human type 1 collagen.

Goat anti Human collagen I antibody has been cross-adsorbed against collagen types II, III, IV, V and VI. Results from ELISA demonstrate <10% cross-reactivity with other collagen types.

**References** 1. Mangir, N. *et al.* (2019) Oestradiol-releasing Biodegradable Mesh Stimulates Collagen Production and Angiogenesis: An Approach to Improving Biomaterial Integration in Pelvic Floor Repair. [Eur Urol Focus. 5 \(2\): 280-9.](#)

**Storage** Store at -20°C only.  
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.

**Guarantee** Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

**Health And Safety Information** Material Safety Datasheet documentation #10123 available at: <https://www.bio-rad-antibodies.com/SDS/13100110123>

**Regulatory** For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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