

Datasheet: 131001

BATCH NUMBER 170276

Description:	GOAT ANTI HUMAN COLLAGEN I
Specificity:	COLLAGEN I
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species Mouse

Product Form Purified IgG - liquid

Antiserum Preparation 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.

Buffer Solution Borate buffered saline

Preservative Stabilisers None present

Approx. Protein 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.](#)
 2. Segreto, F. *et al.* (2020) The use of acellular porcine dermis, hyaluronic acid and polynucleotides in the treatment of cutaneous ulcers: Single blind randomised clinical trial. [Int Wound J. 17 \(6\): 1702-1708.](#)
 3. Lovisa, S. *et al.* (2020) Endothelial-to-mesenchymal transition compromises vascular integrity to induce Myc-mediated metabolic reprogramming in kidney fibrosis. [Sci Signal. 13 \(635\): eaaz2597.](#)
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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/131001>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Product inquiries: 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
'M427906:240301'

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