

Datasheet: 2150-1410

BATCH NUMBER 148052

| | |
|----------------------|------------------------------|
| Description: | RABBIT ANTI MOUSE COLLAGEN I |
| Specificity: | COLLAGEN I |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 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.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | ▪ | | | |
| Immunohistology - Paraffin | ▪ | | | 1/250 - 1/1000 |
| ELISA | ▪ | | | 1/100 - 1/400 |
| Western Blotting | ▪ | | | |
| Immunofluorescence | ▪ | | | 1/50 - 1/100 |
| Radioimmunoassays | ▪ | | | |

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 | Mouse |
| Product Form | Purified Ig - liquid |
| Preparation | Purified Ig prepared by affinity chromatography |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) Antibiotic antimycotic mixture 1% |
| Immunogen | Native type I collagen from mouse skin. |

**External Database
Links**

UniProt:

[P11087](#) [Related reagents](#)
[Q01149](#) [Related reagents](#)

Entrez Gene:

[12842](#) Col1a1 [Related reagents](#)
[12843](#) Col1a2 [Related reagents](#)

Synonyms Cola1, Cola2

RRID AB_620433

Specificity **Rabbit anti Mouse Collagen I antibody** recognizes murine collagen 1. Collagen 1 is a fibrillar forming collagen, a secreted protein forming part of the extracellular matrix. Less than 1% cross reactivity has been observed with mouse collagen, types II, VI and III and human, chicken and rat collagen, type I.

References

1. Uezumi, A. *et al.* (2011) Fibrosis and adipogenesis originate from a common mesenchymal progenitor in skeletal muscle. [J Cell Sci. 124: 3654-64.](#)
2. Takase, H.M. *et al.* (2013) FGF7 is a functional niche signal required for stimulation of adult liver progenitor cells that support liver regeneration. [Genes Dev. 27: 169-81.](#)
3. Birbrair A *et al.* (2013) Type-1 pericytes participate in fibrous tissue deposition in aged skeletal muscle. [Am J Physiol Cell Physiol. 305 \(11\): C1098-113.](#)
4. Randles, M.J. *et al.* (2015) Genetic Background is a Key Determinant of Glomerular Extracellular Matrix Composition and Organization. [J Am Soc Nephrol. 26 \(12\): 3021-34.](#)
5. Ma, M.S. *et al.* (2016) Characterization and comparison of osteoblasts derived from mouse embryonic stem cells and induced pluripotent stem cells. [J Bone Miner Metab. Jan 8. \[Epub ahead of print\]](#)
6. Valero-Muñoz, V. *et al.* (2019) Supplementation with an insoluble fiber obtained from carob pod (*Ceratonia siliqua* L.) rich in polyphenols prevents dyslipidemia in rabbits through SIRT1/PGC-1 α pathway. [Eur J Nutr. 58 \(1\): 357-66.](#)

Storage 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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #20470 available at:
<https://www.bio-rad-antibodies.com/SDS/2150-1410>
20470

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [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

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M372166:200630'

Printed on 21 Feb 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)