

Datasheet: 2150-2506

Description:	NATIVE MOUSE COLLAGEN I/III
Name:	COLLAGEN I/III
Format:	Purified
Product Type:	Purified Protein
Quantity:	10 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
ELISA	▪			

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 appropriate negative/positive controls.

Target Species	Mouse
Product Form	Purified protein from murine tail tendons - lyophilized
Reconstitution	Use 0.05-0.5 M acetic acid, pH 2.5 at 4°C. Dissolved collagen retains immunologic properties of native collagen types I+III. Thermal denaturation converts dissolved collagen to gelatin.
Preparation	Pepsin treatment, acetic acid extraction, serial salt precipitations
Buffer Solution	Essentially salt free
Preservative Stabilisers	None present

External Database Links

UniProt:

P11087	Related reagents
Q01149	Related reagents
P08121	Related reagents

Entrez Gene:[12842](#) Col1a1 [Related reagents](#)[12843](#) Col1a2 [Related reagents](#)[12825](#) Col3a1 [Related reagents](#)**Synonyms**

Cola1, Cola2

Product Information

Murine collagen type I 45%
Murine collagen type III 45%
Murine collagen type IV 10%
Murine collagen type V <1%
Non-collagenous proteins <0.5%
M[a1(I)1a2(I)2]. Native triple helix.

Protein Molecular Weight

300 kDa

Purity

Purity and retention of native helical structure was controlled by SDS-PAGE, ORD measurement and ability to form microfibrils.

References

1. Rhodes, R.K. & Miller, E.J. (1978) Physicochemical characterization and molecular organization of the collagen A and B chains. [Biochemistry. 17 \(17\): 3442-8.](#)

Storage

Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
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 until date of expiry. Please see product label.

Health And Safety Information

Material Safety Datasheet documentation #10268 available at:
10268: <https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf>

Regulatory

For research purposes only

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