

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 - lyophilised
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	<p>UniProt:</p> <p>P11087 Related reagents</p> <p>Q01149 Related reagents</p> <p>P08121 Related reagents</p> <p>Entrez Gene:</p> <p>12842 Col1a1 Related reagents</p> <p>12843 Col1a2 Related reagents</p> <p>12825 Col3a1 Related reagents</p>
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[α1(I)1α2(I)2]. Native triple helix.

Molecular Weight MW: 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: 3442 - 3448](#)

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.

Shelf Life 18 months from date of despatch.

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

Regulatory For research purposes only

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