

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
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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.
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Protein Molecular Weight	300 kDa
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Purity	Purity and retention of native helical structure was controlled by SDS-PAGE, ORD measurement and ability to form microfibrils.
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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.
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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.
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Guarantee	Guaranteed until date of expiry. Please see product label.
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Health And Safety Information	Material Safety Datasheet documentation #10268 available at: https://www.bio-rad-antibodies.com/SDS/2150-2506 10268
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Regulatory	For research purposes only
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North & South Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: 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](https://www.bio-rad-antibodies.com/datasheets)

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Printed on 25 Mar 2023