Datasheet: 2150-2506

BATCH NUMBER 162479

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 4ºC. 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: https://www.bio-rad-antibodies.com/SDS/2150-2506 10268
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

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