

Datasheet: 2150-0515

BATCH NUMBER 150826

| | |
|----------------------|--------------------------|
| Description: | NATIVE BOVINE COLLAGEN I |
| Name: | COLLAGEN I |
| 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 | Bovine |
| Product Form | Purified protein from calf tendon - lyophilized |
| Reconstitution | Use 0.5M acetic acid, pH 3.0. Dissolved collagen have to be thoroughly homogenized in a Potter after addition of the solute and left overnight in the coldroom to dissolve. Dissolved collagen retains immunologic properties of native collagen type I. Thermal denaturation (5 minutes at 100°C) converts dissolved collagen to gelatin. |
| Preparation | Bovine collagen type I was isolated from calf tendons. Isolation steps included extraction into dilute acetic acid after pepsin treatment, followed by multiple steps of differential salt precipitation and ion-exchange chromatography. |
| Buffer Solution | Essentially salt free |
| Preservative Stabilisers | None present |
| External Database Links | UniProt: |

[P02465](#) [Related reagents](#)

[P02453](#) [Related reagents](#)

Entrez Gene:

[282188](#) COL1A2 [Related reagents](#)

[282187](#) COL1A1 [Related reagents](#)

Product Information Collagen type I 90%
Collagen type III 10%
Non-collagenous proteins <0.5%

Protein Molecular Weight ~300 kDa

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/2150-0515>
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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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