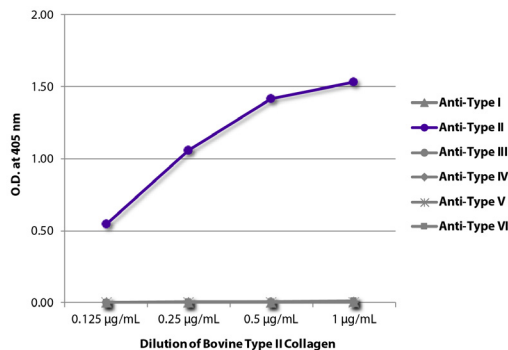




## Bovine Type II Collagen

Cat. No.	Format	Size
1220-02	Purified Protein - Lyophilized	0.25 mg
1220-02S	Purified Protein - Solution	0.5 mg



ELISA plate was coated with serially diluted Bovine Type II Collagen (SB Cat. No. 1220-02). Purified collagen was detected with Goat Anti-Type I Collagen-BIOT (SB Cat. No. 1310-08), Goat Anti-Type II Collagen-BIOT (SB Cat. No. 1320-08), Goat Anti-Type III Collagen-BIOT (SB Cat. No. 1330-08), Goat Anti-Type IV Collagen-BIOT (SB Cat. No. 1340-08), Goat Anti-Type V Collagen-BIOT (SB Cat. No. 1350-08), and Goat Anti-Type VI Collagen-BIOT (SB Cat. No. 1360-08) followed by Streptavidin-HRP (SB Cat. No. 7100-05).

### Overview

<b>Source</b>	Cartilage
<b>Purification</b>	Controlled and limited pepsin digestion followed by selective salt precipitation
<b>Purity</b>	> 90% by SDS-PAGE
<b>Alternate Name(s)</b>	COL2A1

### Description

Collagen is the main structural protein in the extracellular space and is the most abundant protein in the ECM. Collagens are divided into two classes - fibril (types I, II, III, V) and non-fibril (types IV, VI). Type II collagen is the main component of cartilage and mutations are associated several types of chondrodysplasia. Type II collagen is formed by homotrimers of  $\alpha 1(\text{II})$  chains.

### Applications

ELISA – Quality tested <sup>1,10</sup>  
 SDS-PAGE – Quality tested <sup>2</sup>  
 WB – Reported in literature <sup>3,4</sup>  
*In vivo* Assays – Reported in literature <sup>5-8</sup>  
 Coating Material for –  
     ECM Interaction Studies – Reported in literature <sup>9</sup>  
     Migration Studies – Reported in literature <sup>10</sup>

### Handling and Storage

- The purified protein is supplied as a solution of 0.5 mg collagen in 1.0 mL of 500 mM acetic acid or 0.25 mg collagen lyophilized from 500 mM acetic acid. Store at 2-8°C.
- Reconstitute lyophilized protein in 500 mM acetic acid.
- Reagents are stable for the period shown on the label if stored as directed.

### Warning

Reagents contain acetic acid. Please refer to product specific SDS.

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## References

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