SouthernBiotech [†]



by selective salt precipitation

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

Source	Cartilage
Purification	Controlled and limited pepsin digestion followed
Purity	> 90% by SDS-PAGE
Alternate Name(s)	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 $\alpha 1$ (II) chains.

Applications

ELISA – Quality tested ^{1,10} SDS-PAGE – Quality tested ² WB – Reported in literature ^{3,4} *In vivo* Assays – Reported in literature ⁵⁻⁸ Coating Material for – ECM Interaction Studies – Reported in literature ⁹ Migration Studies – Reported in literature ¹⁰

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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