



## Goat Anti-Type II Collagen

Cat. No.	Form	Quantity
1320-01	Purified (UNLB) Antibody	0.2 mg
1320-08	Biotin (BIOT) Conjugate	0.2 mg

### DESCRIPTION

**Source:** Pooled antisera from goats hyperimmunized with bovine type II collagen.  
**Cross Absorption:** Collagen types I, III, IV, V and VI covalently linked to agarose.  
**Purification:** Affinity chromatography on bovine type II collagen covalently linked to agarose.  
**Specificity:** Reacts with conformational determinants on bovine type II collagen as demonstrated by ELISA. May react with type II collagen from other species. Exhibits <10% cross reactivity with collagen type I, III, IV, V and VI. The antibody has not been tested for reactivity with other ECM proteins (e.g., laminin, fibronectin).

### RESEARCH APPLICATIONS

- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Immunocytochemistry
- Dot- and slot-immunoblotting\*
- Immunohistochemistry (frozen sections)\*

### CHARACTERIZATION

To insure lot-to-lot consistency, each batch of product is tested by ELISA for conformance to characteristics of a standard reference reagent.

### WORKING DILUTIONS

**Immunocytochemistry/** Purified antibody 1:10-1:20  
**Immunohistochemistry:** Biotin conjugate 1:20-1:40

**ELISA:** Biotin conjugate 1:1000-1:4000

**Other Applications:** Since applications vary, you should determine the optimum working dilution of the product that is appropriate for your specific need.

\*Please note that harsh chemicals or procedures involving heat may denature collagen epitopes needed for proper binding. We recommend avoiding such applications when using this antibody.

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

## HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.2 mg of purified immunoglobulin in 0.5 mL (C = 0.4 mg/mL) of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.2 mg in 0.5 mL (C = 0.4 mg/mL) of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- Reagents are stable for the period shown on the label if stored as directed.

## WARNING

Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.