SouthernBiotech

Goat Anti-Type I Collagen

Cat. No.	Form	Quantity
1310-01	Purified (UNLB) Antibody	0.2 mg
1310-08	Biotin (BIOT) Conjugate	0.2 mg

DESCRIPTION

Source: Pooled antisera from goats hyperimmunized with human type I collagen.
Cross Absorption: Collagen types II, III, IV, V and VI covalently linked to agarose.
Purification: Affinity chromatography on human type I collagen covalently linked to agarose.
Specificity Reacts with conformational determinants on human type I collagen as demonstrated by ELISA. May react with type I collagen from other species. Exhibits <10% cross reactivity with collagen type II, 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/ Immunohistochemistry:	Purified antibody Biotin conjugate	1:10-1:20 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.

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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 100 mM 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_3. 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.