



## CELL LAB Goat Anti-Type IV Collagen

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
732477	Purified (UNLB) Antibody	0.2 mg
732478	Biotin (BIOT) Conjugate	0.2 mg

**For Research Use Only. Not for use in diagnostic procedures.**

### DESCRIPTION

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

### APPLICATIONS

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

### CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using a sandwich ELISA.

### WORKING DILUTIONS

<b>Immunocytochemistry/</b>	Purified antibody	1:10-1:20
<b>Immunohistochemistry:</b>	BIOT conjugate	1:20-1:40
<b>ELISA:</b>	BIOT conjugate	1:1000-1:4000

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

### HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.2 mg of purified immunoglobulin in 0.5 mL of 100 mM borate buffered saline, pH 8.0. No preservatives or amine-containing buffer salts added.
- The biotin (BIOT) conjugate is supplied as 0.2 mg in 0.5 mL of PBS/NaN<sub>3</sub>.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

## STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Harsh chemicals or procedures involving heat may denature collagen epitopes needed for proper binding.
5. Avoid microbial contamination of reagent or erroneous results may occur.
6. Use Good Laboratory Practice (GLP) when handling this reagent.
7. Harmful if swallowed.
8. After contact with skin, wash immediately with plenty of water.
9. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

## TRADEMARKS

The Beckman Coulter logo is a trademark of Beckman Coulter, Inc.

For additional information or if damaged product is received, contact your local Beckman Coulter Representative.



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