



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rabbit anti Human Collagen I/II/III/IV/V with HRP-conjugated secondary antibody

Catalog No.
DS-PB-00511

Species
Human

Isotype
IgG

Preparation

- **Immunogen:** A mixture of human collagen I, II, III, IV and V from human placenta
- **Preparation:** Purified Ig prepared by affinity chromatography on immobilized collagen types I-V

Formulation

- **Product Form:** Purified IgG – liquid
- **Buffer Solution:** Phosphate buffered saline, pH 7.5
- **Approx. Protein Concentrations:** IgG concentration 1 mg/ml
- **Preservative & Stabilizers:** 0.1% Mannitol, 0.1% Dextran, 0.09% Sodium Azide

Specificity

- DS-PB-00511 exhibits the following reactivities in ELISA with both native and denatured human collagen types:

I & III	100%
IV & V	90%
II	80%

Human fibronectin, albumin and immunoglobulins all <0.5%

Storage

- Store at +4 °C or at -20 °C if preferred.
- Storage in frost-free freezers is not recommended. This product should be stored undiluted.
- Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
- **Shelf Life:** 18 months from date of shipment.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			1:2,000 – 1:8,000
Western Blotting			•	
Immunohistology Frozen	•			1:10 – 1:40
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Flow Cytometry			•	
Immunofluorescence	•			1:10 – 1:40

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blotting)	•			1:5,000 – 1:10,000

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