



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Rabbit Anti-Human Collagen I

With HRP-conjugated Secondary Antibody

Catalog No.
DS-PB-00506

Target Species
Human

Isotype
Polyclonal IgG

Preparation

Purified IgG prepared by affinity chromatography on immobilized Collagen type I
Immunogen: Collagen type I from human placenta

Specificity

DS-PB-00506 is specific for human Collagen I, reacting with both native and heat denatured proteins, and has been cross-absorbed against Collagen types III, IV and V.

Formulation

Product Type: Polyclonal Antibody

Product Form: Purified IgG - lyophilized

Reconstitution: Reconstitute with 0.5ml distilled water

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 1% Dextran, 1% Mannitol

Note: For long term storage the addition of 1% BSA and 0.09% sodium azide is recommended.

Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			1/10 - 1/50
Immunohistology - Paraffin (1)	•			1/10 - 1/50
ELISA	•			1/500 - 1/3000
Western Blotting			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined.

(1) This product requires antigen retrieval using 1mg/ml pepsin in 0.5M acetic acid for 2 hours at 37°C and multiple buffer washes prior to staining of paraffin sections

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



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Secondary Antibody Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

Storage

Prior to reconstitution store at +4°C.

After reconstitution store at -20°C.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.

Shelf Life: 12 months from date of reconstitution.

References

1. Evans, M.J., *et al.* (2002) Fibroblast growth factor-2 during postnatal development of the tracheal basement membrane zone. *Am. J. Physiol. Lung Cell Mol. Physiol.* 283: L1263-1270.
2. Kim, H.J. & Im, G.I. (2010) The effects of ERK1/2 inhibitor on the chondrogenesis of bone marrow- and adipose tissue-derived multipotent mesenchymal stromal cells. *Tissue Eng Part A.* 16: 851-60.

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