

RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human Collagen I

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01033

Species
Human

Isotype
IgG1

Preparation

Ig fraction prepared by ammonium sulphate precipitation and DEAE-cellulose chromatography
Immunogen: Human Collagen type I

Formulation

Product Type: Monoclonal Antibody
Product Form: Ig fraction - lyophilized
Reconstitution: Use 1 ml of sterile distilled water.
Preservative Stabilizers: Contains mannitol, dextran & salts

Specificity

DS-MB-01033 is specific for human Collagen I and does not recognize Collagen types II, III and IV. Collagen is located in the extracellular matrix of connective tissues. It is part of the interacting network of proteoglycans and proteins that provides a structural framework for both soft and calcified connective tissues. Type I collagen (95 kDa) is found in bone, cornea, skin and tendon. Mutations in the encoding gene are associated with osteogenesis imperfecta, Ehlers Danlos syndrome, and idiopathic osteoporosis.

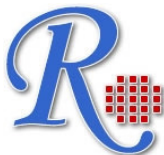
Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			1/10 - 1/40
Immunohistology - Paraffin			•	
Immunoblotting	•			1/50 - 1/200
Western Blotting			•	
ELISA	•			1/500 - 1/2000

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

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



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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.

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