



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 III

With HRP-conjugated Secondary Antibody

Catalog No.
DS-PB-00518

Target Species
Human

Isotype
Polyclonal IgG

Preparation

Immunogen: Collagen III from human placenta

Antiserum Preparation: Antiserum to native and denatured human collagen type III was raised by repeated immunization of rabbits with highly purified antigen. DS-PB-00518 has been cross-absorbed with immobilized human collagen types I, IV and V and with human blood plasma proteins.

Formulation

Product Type: Polyclonal Antibody

Product Form: Purified IgG - lyophilized

Reconstitution: Reconstitute with 0.5 ml distilled water

* For long term storage the addition of 0.09% sodium azide is recommended.

Buffer Solution: Mannitol, salts and dextran

Preservative Stabilizers: See buffer solution

Approx. Protein Concentrations: 0.1 mg/ml after reconstitution

Specificity

DS-PB-00518 is specific for human collagen type III. It has shown the following cross-reactivities.

Human collagen type I <15%

Human collagen type IV <5%

Human collagen type II and V <1%

Human plasma proteins do not interfere with binding of the antibody to collagen.

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. George, C. L. *et al* (2001) Endotoxin responsiveness and subchronic grain dust-induced airway disease. *Am. J. Physiol. Lung Cell. Mol. Physiol.* 280(2): 203-213.

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

Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			
Immunohistology - Paraffin	•			1/10 - 1/40
Immunohistology - Resin			•	
ELISA	•			1/2000 - 1/8000
Western Blotting			•	

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

Secondary Antibody Applications

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

References

1. George, C. L. *et al* (2001) Endotoxin responsiveness and subchronic grain dust-induced airway disease. *Am. J. Physiol. Lung Cell. Mol. Physiol.* 280(2): 203-213.

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