



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Collagen VII

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01042

Target Species
Human

Isotype
IgG1

Preparation

Purification: Tissue Culture Supernatant containing 0.2 M Tris/HCl, pH 7.4 and 5-10% fetal calf serum

Immunogen: Crude extract of skin

Fusion Partners: Spleen cells from immunized BALB/c mice were fused with cells of the mouse Sp2 myeloma cell line.

Specificity

DS-MB-01042 recognizes the carboxyterminus of type VII collagen

Species Cross reactivity: Does not react with: Rat, Mouse, and Pig

Formulation

Product Type: Monoclonal Antibody

Product Form: Tissue Culture Supernatant - liquid

Storage

Store at +4°C for one month or at -20°C for longer. 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 dispatch.

Reference:

1. Hegerty, A.M.H. *et al.* (1986) Identification of an epidermal basement membrane defect in recessive forms of dystrophic epidermolysis bullosa by LH7.2 monoclonal antibody: use in diagnosis. *Br. J. Dermatol.* 115: 125-131.
2. Leigh, I.M. *et al.* (1987) LH7.2 Monoclonal antibody detects type VII collagen in the sublamina densa zone of ectodermally-derived epithelia, including skin. *Epithelia* 1: 17-29.
3. Kirkham, N. *et al.* (1989) Type VII collagen antibody LH 7.2 identifies basement membrane characteristics of thin malignant melanomas. *J. Pathol.* 157: 243-247.
4. Leigh, I. M. *et al.* (1988) Type VII collagen is a normal component of epidermal basement membrane, which shows altered expression in recessive dystrophic epidermolysis bullosa *J Invest Dermatol.* 90: 639 - 642

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



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Western Blotting			•	
Immunohistology - frozen	•			1:5 – 1:10
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Immunoprecipitation			•	
Immunofluorescence staining			•	
Neutralization			•	

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 blot)	•			1:5,000-1:10,000

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