



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human DESMOGLEIN 1

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03282

Target Species
Human

Isotype
IgG1

Preparation

Immunogen: Recombinant human desmoglein 1

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the mouse NS1 myeloma cell line.

Specificity

DS-MB-03282 recognizes human desmoglein 1, a 165kD glycoprotein that is a core component of the desmosome cell-cell junction between epithelial cells. Desmoglein 1 is synthesized in the suprabasal layer of the skin, and is vital to epidermal integrity. This antibody does not recognize desmoglein-2 or desmoglein-3.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations: IgG concentration 0.5 mg/ml

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. 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.

References

1. Wahl, J. *et al.* (2002) Generation of monoclonal antibodies specific for desmoglein family members. *Hybrid. Hybridomics* 21:37-44

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
Immunohistology – Frozen (1)	•			
Immunohistology - Paraffin			•	
Immunohistology - Resin			•	
Immunoprecipitation	•			
Western Blotting (2)	•			1:5,000-1:10,000
Elisa			•	

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

(1) Histology Positive Control Tissue: skin

(2) This antibody detects a band of approximately 165kDa in epithelial cell lysates.

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

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