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Certificate of Analysis and Data Sheet

MOUSE ANTI HUMAN DESMOGLEIN 3

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03284

Target Species
Human

Isotype
IgG1

Preparation

Immunogen: Recombinant human desmoglein 3

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the mouse NS-1 myeloma cell line.

Specificity

DS-MB-03284 recognizes human desmoglein 3, a 125kD glycoprotein that is a core component of the desmosome cell-cell junction between epithelial cells.

Desmoglein 3 is synthesized in the basal and lower suprabasal layers of the skin.

This antibody does not recognize desmoglein-1 or desmoglein-2.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: IgG concentration 0.5 mg/ml

Storage

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

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. Wahl, J. et al. (2002) Generation of monoclonal antibodies specific for desmoglein family members. Hybrid. Hybridomics 21:37-44.
2. Koch, P. J. et al. (1998) Desmoglein 3 anchors telogen hair in the follicle. J. Cell. Sci. 111: 2529-2537.

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
Elisa			•	
Immunohistology - Paraffin(1)	•			
Immunohistology - Frozen	•			
Immunohistology - Resin			•	
Western Blotting (2)	•			1:100-1:1,000
Immunoprecipitation	•			
Flow cytometry			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

- (1) This product requires antigen retrieval using heat treatment methods followed by protein digestion of paraffin embedded sections eg. trypsin, prior to staining.
(2) DS-MB-03284 detects a band of approximately 125kDa in epithelial cell lysates.

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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