

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Desmoglein-1, Human, clone 27B2		
Catalog number	HM2113-100UG		
Lot number	-	Expiry date	-
Volume	1 ml	Amount	100 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	Concentration	100 µg/ml
Host Species	Mouse IgG1	Conjugate	None
Endotoxin	N.A.	Purification	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•		•				•	•
No					•			
N.D.		•		•		•		

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.

- FS: The antibody does not inhibit the biological activity of desmoglein 1.

General Information

Description	Desmoglein 1 is a member of the desmosomal cadherin family that comprise the desmogleins and desmocollins. Desmosomes are cell-cell junctions in most epithelial cells and serve to link the intermediate filament cytoskeletons of adjacent cells. Within the desmosome the extracellular domain of desmoglein is essential for calcium dependent heterophilic binding to the desmocollins, whereas the intracellular domain is essential for binding to the desmosomal plaque protein, plakoglobin. Desmoglein 1 is synthesized exclusively in the suprabasal layers. Intact and functionally active desmoglein 1 is essential to epidermal integrity. The monoclonal antibody 27B2 reacts with the 165 kDa desmoglein 1 protein. Furthermore it is not cross reactive with desmoglein 2 or desmoglein 3.
Cross reactivity	Desmoglein 2: No; Desmoglein 3: No.
References	1. Wahl, J et al; Generation of monoclonal antibodies specific for desmoglein family members. Hybrid Hybridomics 2002, 21: 37
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
02/12/2019

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.