

Hycult biotechnology

## DSG1/Desmoglein-1, Clone 27B2, Human mAb

<b>Catalog No.</b>	HM2113	<b>Quantity:</b>	100 µg
<b>Description:</b>	<p>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.</p> <p>The monoclonal antibody 27B2 reacts with the 165 kDa desmoglein 1 protein. Furthermore it is not cross reactive with desmoglein 2 or desmoglein 3.</p>		
<b>Concentration:</b>	100 µg/ml		
<b>Specificity:</b>	Human DSG1/Desmoglein-1		
<b>Host:</b>	Mouse		
<b>Isotype:</b>	IgG <sub>1</sub>		
<b>Clone:</b>	27B2		
<b>Formulation:</b>	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Applications</b>	<p>The monoclonal antibody 27B2 can be used for Western blotting, immuno precipitation and immuno fluorescence. Furthermore the monoclonal antibody 27B2 is useful for immunohistology on frozen sections. The antibody does not inhibit the biological activity of desmoglein 1.</p> <p>For immuno fluorescence and Western blotting 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.</p>		
<b>Storage &amp; Stability:</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.		
<b>References:</b>	1. Wahl, J et al; Generation of monoclonal antibodies specific for desmoglein family members. Hybrid Hybridomics 2002, 21: 37		
<b>Also available:</b>	HM2112: Monoclonal antibody against Human beta Catenin, clone 9F2 HM2114: Monoclonal antibody against Human Desmoglein 2, clone 6D8 HM2115: Monoclonal antibody against Human Desmoglein 3, clone 5G11 HM2116: Monoclonal antibody against Human Plakoglobin, clone 15F11 HM2118: Monoclonal antibody against human alpha-Catenin, clone 1G5		

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