

## Product datasheet for **BM5105**

### Desmoglein 1 (DSG1) Mouse Monoclonal Antibody [Clone ID: Dsg1-P23]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Dsg1-P23
Applications:	IHC, WB
Recommended Dilution:	<b>Immunoblotting.</b> <b>Immunohistochemistry on Frozen Sections:</b> Ready-to-use. <i>Incubation Time:</i> 1 h at RT. preincubation (directly after fixation) with 0.05-0.2% Triton X-100 for 5-10 min, depending on tissue type, is recommended (Ref.2). <b>Immunohistochemistry on Paraffin Embedded Sections (after MICROWAVE treatment):</b> Ready-to-use. <i>Incubation Time:</i> 1 h at RT. For better staining on paraffin sections preincubation with 0.001% trypsin and addition of 2% milk powder to the incubation media is recommended.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human polypeptide Desmoglein 1 (extracellular part EII, EIII and EIV).
Specificity:	In immunoblots of cytoskeletal preparations from human skin the antibody reacts specifically with a 160 kD polypeptide typical for Desmoglein 1. In immunolocalization studies the mab shows typical staining of suprabasal layers of the epidermis and special regions of fetal and anagen hair follicles. The staining pattern observed corresponds to those obtained with pemphigus foliaceus patient sera. Cross-reaction with Desmogleins 2 and 3 was not detected.
Formulation:	State: Supernatant State: Liquid Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated



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<b>Storage:</b>	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	desmoglein 1
<b>Database Link:</b>	<a href="#">Entrez Gene 1828 Human Q02413</a>
<b>Background:</b>	<p>Desmosomes are cell-cell junctions between epithelial, myocardial and certain other cell types. Desmoglein 1 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. Desmoglein 1 has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus foliaceus.</p> <p>Desmoglein 1 is 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.</p>
<b>Synonyms:</b>	Desmosomal glycoprotein 1, Pemphigus foliaceus antigen, DSG1, CDHF4, DG1, DGI