

Product datasheet for **BM5104**

Desmoglein 1 (DSG1) Mouse Monoclonal Antibody [Clone ID: Dsg1-P124]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Dsg1-P124
Applications:	IHC, WB
Recommended Dilution:	Immunoblotting. Immunohistochemistry on Frozen Sections: Ready-to-use. Incubation Time: 1 h at RT. Preincubation with 0.05-0.2% Triton X-100 for 5-10 min, depending on tissue type, is recommended (See Ref.2). Immunohistochemistry on Paraffin-Embedded Tissue after Microwave treatment: Ready-to-use. Incubation Time: 1 h at RT. Preincubation with 0.001% trypsin and addition of 2% milk powder to the incubation media is recommended.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
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 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 Hybridoma Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.



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Stability:	Shelf life: one year from despatch.
Gene Name:	desmoglein 1
Database Link:	Entrez Gene 1828 Human Q02413
Background:	<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>
Synonyms:	Desmosomal glycoprotein 1, Pemphigus foliaceus antigen, DSG1, CDHF4, DG1, DGI