

Product datasheet for **BM5108**

Desmoglein 3 (DSG3) Mouse Monoclonal Antibody [Clone ID: Dsg-G194]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Dsg-G194
Applications:	IHC, WB
Recommended Dilution:	Immunoblotting (Western Blot). Immunohistochemistry on Frozen Sections: Ready-to-use. Incubation Time: 1 h at RT. Recommendations: For better resolution, preincubation (directly after fixation) with 0.05-0.2% Triton X-100 for 5-10 min, depending on tissue type, is recommended (See Ref.2).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human polypeptide Desmoglein 3 (C-terminal amino acids 920-940)
Specificity:	In Immunoblots of cytoskeletal preparations from Human epidermis the antibody reacts specifically with a 140 kD polypeptide typical for Desmoglein 3. In Immunolocalization studies, the mab shows typical staining of basal and lower suprabasal layers of the epidermis and special regions of fetal and anagen hair follicles. The staining pattern observed corresponds to those obtained with pemphigus vulgaris patient sera. Cross-reaction with Desmogleins 1 and 2 was not detected.
Formulation:	State: Supernatant State: Liquid Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: One year from despatch.
Gene Name:	desmoglein 3
Database Link:	Entrez Gene 1830 Human P32926



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Background:

Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmoglein 3 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. This protein has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus vulgaris.

Synonyms:

DSG3, CDHF6, PVA, 130 kDa pemphigus vulgaris antigen