

BM5108**Monoclonal Antibody to Desmoglein-3 - Supernatant**

Alternate names:	130 kDa pemphigus vulgaris antigen, CDHF6, Cadherin family member 6, DSG3, PVA
Quantity:	5 ml
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.
Uniprot ID:	P32926
NCBI:	NP_001935.2
GeneID:	1830
Host / Isotype:	Mouse / IgG1
Clone:	Dsg-G194
Immunogen:	Recombinant Human polypeptide Desmoglein 3 (C-terminal amino acids 920-940) AA Sequence: VSIPDPLQHGNYLVTETYSAS
Format:	State: Liquid Culture Supernatant Preservatives: 0.09% Sodium Azide
Applications:	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). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. Shelf life: One year from despatch.

General Readings:

1. Kurzen H, Moll I, Moll R, Schäfer S, Simics E, Amagai M, et al. Compositionally different desmosomes in the various compartments of the human hair follicle. *Differentiation*. 1998 Sep;63(5):295-304. PubMed PMID: 9810708.
2. Schäfer S, Stumpp S, Franke WW. Immunological identification and characterization of the desmosomal cadherin Dsg2 in coupled and uncoupled epithelial cells and in human tissues. *Differentiation*. 1996 May;60(2):99-108. PubMed PMID: 8641550.