

## Product datasheet for **BM5107**

### Desmoglein 2 (DSG2) Mouse Monoclonal Antibody [Clone ID: G96]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	G96
Applications:	ELISA, IHC, WB
Recommended Dilution:	<u>Western Blot.</u> <u>Immunohistochemistry on frozen sections:</u> Ready-to-use; 1 h at RT; preincubation with 0.05 - 0.2% Triton X-100, for 5-10 min, depending on tissue type, is recommended. <u>Immunohistochemistry on paraffin sections (enhanced when using the microwave method):</u> Ready-to-use; overnight at 2-8°C. <u>ELISA.</u>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant peptide (220aa of 2nd and 3rd extracellular repeat domain)
Specificity:	Antibody recognizes desmoglein 2 present in all epithelia and in tumors derived therefrom as well as in heart muscle and dendritic reticulum cells of lymphatic follicles. In basal epithelial cells desmoglein 2 expression is generally very low.
Formulation:	State: Supernatant State: Liquid culture supernatant contains 0.09% NaN <sub>3</sub>
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	desmoglein 2
Database Link:	<u><a href="#">Entrez Gene 1829 Human Q14126</a></u>



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**Background:**

Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmoglein 2 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 second family member is expressed in colon, colon carcinoma, and other simple and stratified epithelial-derived cell lines.

**Synonyms:**

DSG2, CDHF5, HDGC