

## Product datasheet for **BM5106**

### Desmoglein 2 (DSG2) Mouse Monoclonal Antibody [Clone ID: G129]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	G129
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot.</b> <b>Immunohistochemistry on Frozen Sections:</b> 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. <b>Immunohistochemistry on Paraffin Sections:</b> Ready-to-use (overnight at 2-8°C). Enhanced when using the microwave method. <b>Recommended as Positive Control:</b> CaCo-2, HaCaT.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant peptide (220 aa of 2nd and 3rd extracellular repeat domain).
Specificity:	This 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. <b>Reactivities on Cultured Cell Lines:</b> Many, including CaCo-2, HaCaT, MCF-7. <b>Negative Species:</b> Mouse, Rat.
Formulation:	State: Supernatant State: Liquid Cell Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	desmoglein 2



[View online »](#)

**Database Link:** [Entrez Gene 1829 Human Q14126](#)

**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

**Note:** **Desmoglein 2** (1069 aa; calculated mol. wt. 116,760)