

## Product datasheet for **SM2037PS**

### Desmoglein 3 (DSG3) Mouse Monoclonal Antibody [Clone ID: 5G11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5G11
Applications:	IF, IHC, IP, WB
Recommended Dilution:	<b>Immunofluorescence:</b> The typical starting working dilution is 1/10. <b>Immunoprecipitation.</b> <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Sections.</b> <b>Western blot:</b> The typical starting working dilution is 1/10.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The monoclonal antibody 5G11 reacts with the 140 kDa Desmoglein-3 protein and is not cross reactive with Desmoglein-1 or Desmoglein-2.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	desmoglein 3
Database Link:	<a href="#">Entrez Gene 1830 Human P32926</a>



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**Background:**

Desmoglein 3 is a member of the desmosomal cadherin family that comprise the desmogleins and desmocollins. Desmosomes are cell-cell junctions in most epithelial cells and serve to link the intermediate filament cytoskeletons of adjacent cells. Within the desmosome the extracellular domain of desmoglein is essential for calcium dependent heterophilic binding to the desmocollins, whereas the intracellular domain is essential for binding to the desmosomal plaque protein, plakoglobin. Desmoglein 3 is synthesized in both the basal and the lower suprabasal compartments.

**Synonyms:**

DSG3, CDHF6, PVA, 130 kDa pemphigus vulgaris antigen