

Product datasheet for **BM5016**

Desmoglein 2 (DSG2) Mouse Monoclonal Antibody [Clone ID: 10G11]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | 10G11 |
| Applications: | ELISA, IHC, WB |
| Recommended Dilution: | ELISA. Western blot. Immunohistochemistry on Frozen Sections: 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.3). Immunohistochemistry on Paraffin Sections: Use microwave treatment (See also Ref.5). Incubation Time: 1 h at RT for Frozen tissue and overnight at 2-8°C for Paraffin Sections. Working Dilution : Dilute 1/10 with PBS, pH 7.4 for Immunohistochemical applications. Recommended Positive Control : CaCo-2, HaCaT. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant peptide (220aa of 2nd and 3rd extracellular repeat domain) |
| Specificity: | The antibody recognizes Desmoglein 2 present in low concentrations 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. Polypeptide Reacting: Desmoglein 2 (1069aa; calculated Mol. Wt. 116,760). Reactivity on Cultured Cell Lines: Many, including CaCo-2, HaCaT, MCF-7. |
| Formulation: | Final solution contains PBS, pH 7.4 with 0.09% Sodium Azide as preservative and 0.5% BSA as stabilizer State: Purified State: Lyophilized purified IgG fraction |
| Reconstitution Method: | Restore in 1 ml distilled water |
| Purification: | Affinity Chromatography on Protein A |
| Conjugation: | Unconjugated |



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| Storage: | Prior to reconstitution store at 2-8°C. Following reconstitution 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 |
| 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 |