

## Product datasheet

anti-Desmoglein 2 mouse monoclonal, 10G11, liquid, purified, sample

### Short overview

|                      |                    |
|----------------------|--------------------|
| <b>Cat. No.</b>      | 690059S            |
| <b>Quantity</b>      | 200 µl             |
| <b>Concentration</b> | 500 µg/ml (100 µg) |

### Product description

|                      |   |
|----------------------|---|
| <b>Host</b>          | Mouse   |
| <b>Antibody Type</b> | Monoclonal  |
| <b>Isotype</b>       | IgG1  |
| <b>Clone</b>         | 10G11   |
| <b>Immunogen</b>     | Recombinant peptide (220aa of 2nd and 3rd extracellular repeat domain)                |
| <b>Formulation</b>   | PBS pH 7.4 with 0.09% sodium azide and 0.5% BSA                                       |
| <b>UniprotID</b>     | Q14126 (Human)  |
| <b>Synonym</b>       | Desmoglein-2, Cadherin family member 5, HDGC, DSG2, CDHF5                             |
| <b>Conjugate</b>     | Unconjugated  |
| <b>Purification</b>  | Affinity chromatography   |
| <b>Storage</b>       | Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles |
| <b>Intended use</b>  | Research use only   |
| <b>Application</b>   | IHC, WB   |
| <b>Reactivity</b>    | Human   |
| <b>No reactivity</b> | Mouse, Rat  |

### Applications

|  |   |
|--|---|
| <b>Immunohistochemistry (IHC) - frozen</b> | 1:100 (5 µg/ml, 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 (Schäfer S. et al., 1996)) |
| <b>Western Blot (WB)</b>                   | Assay dependent   |

### Background

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

## Product images



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## References

| Publication   | Species | Application    |
|---|---------|----------------|
| <a href="#">Schinner, C. et al. Stabilization of desmoglein-2 binding rescues arrhythmia in arrhythmogenic cardiomyopathy. JCI.Insight. 5. (2020)</a>                     | mouse   | AFM            |
| <a href="#">Biedermann, K. et al. Desmoglein 2 is expressed abnormally rather than mutated in familial and sporadic gastric cancer. J. Pathol. 207, 199â€“206 (2005).</a> | human   | IHC (paraffin) |