

## Product datasheet

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

#### Short overview

<b>Cat. No.</b>	690059
<b>Quantity</b>	1 ml
<b>Concentration</b>	500 µg/ml (500 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, 199–206 (2005).</a>	human	IHC (paraffin)