

Product datasheet

anti-Desmoglein 2 mouse monoclonal, 10G11, lyophilized, purified

Short overview

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|----------------------|---|
| Cat. No. | 61059_1 |
| Quantity | 50 µg |
| Concentration | 50 µg/ml after reconstitution with 1 ml dist. water |

Product description

| | |
|--------------------------------------|--|
| Host | Mouse |
| Antibody Type | Monoclonal |
| Isotype | IgG1 |
| Clone | 10G11 |
| Immunogen | Recombinant peptide (220aa of 2nd and 3rd extracellular repeat domain) |
| Formulation | Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4) |
| UniprotID | Q14126 (Human) |
| Synonym | Desmoglein-2, Cadherin family member 5, HDGC, DSG2, CDHF5 |
| Conjugate | Unconjugated |
| Purification | Affinity chromatography |
| Storage before reconstitution | 2-8°C until indicated expiry date |
| Storage after reconstitution | Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles |
| Intended use | Research use only |
| Application | IHC, WB |
| Reactivity | Human |
| No reactivity | Mouse, Rat |

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