

## Product datasheet

### anti-Desmoglein 1 mouse monoclonal, Dsg1-P23, supernatant

#### Short overview

|                 |        |
|-----------------|--------|
| <b>Cat. No.</b> | 651110 |
| <b>Quantity</b> | 5 ml   |

#### Product description

|                      |                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>          | Mouse                                                                                                                 |
| <b>Antibody Type</b> | Monoclonal                                                                                                            |
| <b>Isotype</b>       | IgG1                                                                                                                  |
| <b>Clone</b>         | Dsg1-P23                                                                                                              |
| <b>Immunogen</b>     | Recombinant human polypeptide Desmoglein 1 (extra-cellular part EII, EIII and EIV)                                    |
| <b>Formulation</b>   | Contains 0.09% sodium azide                                                                                           |
| <b>UniprotID</b>     | Q02413 (Human)                                                                                                        |
| <b>Synonym</b>       | Desmoglein-1, Cadherin family member 4, Desmosomal glycoprotein 1, DG1, DGI, Pemphigus foliaceus antigen, DSG1, CDHF4 |
| <b>Conjugate</b>     | Unconjugated                                                                                                          |
| <b>Purification</b>  | Hybridoma cell culture supernatant                                                                                    |
| <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                                                                                                                 |

#### Applications

|                                              |                                                                                                                                              |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunohistochemistry (IHC) - frozen</b>   | Ready-to-use (treatment with 0.05-0.02% Triton X-100 is recommended, see Schäfer, S. et al. 1996 for protocol)                               |
| <b>Immunohistochemistry (IHC) - paraffin</b> | Ready-to-use (preincubation with 0.001% trypsin, addition of 2% milk powder to the incubation media, and microwave treatment is recommended) |
| <b>Western Blot (WB)</b>                     | Assay dependent                                                                                                                              |

#### Background

In immunoblots of cytoskeletal preparations from human skin the antibody reacts specifically with a 160 kDa polypeptide typical for Desmoglein 1. In immunolocalization studies the mab shows typical staining of suprabasal layers of the epidermis and special regions of fetal and anagen hair follicles. The staining pattern observed corresponds to those obtained with pemphigus foliaceus patient sera. Cross-reaction with Desmogleins 2 and 3 was not detected.

#### Product images



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## References

| Publication                                                                                                                                                                                                  | Species | Application       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|
| <a href="#">Vakkilainen, S. et al. Novel DSP Spectrin 6 Region Variant Causes Neonatal Erythroderma, Failure to Thrive, Severe Herpes Simplex Infections and Brain Lesions. Acta.Derm.Venereol. , (2019)</a> | human   | IHC (paraffin)    |
| <a href="#">Duchatelet, S. et al. Mutations in PERP Cause Dominant and Recessive Keratoderma. J.Invest.Dermatol. 139, 380-390 (2019)</a>                                                                     | human   | IHC-IF (paraffin) |
| <a href="#">Domke, L and Franke, W. The cell-cell junctions of mammalian testes... Cell Tissue Res, 375, 451-482, (2019)</a>                                                                                 | pig     | ICC-IF            |