

Product datasheet for **BM5102**

Desmocollin 1 (DSC1) Mouse Monoclonal Antibody [Clone ID: Dsc-1-U100]

Product data:

Product Type: Primary Antibodies

Clone Name: Dsc-1-U100

Applications: IHC, WB

Recommended Dilution: **Immunoblotting (Western).**

Immunohistochemistry on Frozen Sections:

For better resolution on **Frozen** Sections preincubation (directly after fixation) with 0.05-0.2% Triton X-100, for 5-10 min, depending on tissue type is recommended (see Ref.2).

Without detergent pretreatment a cytoplasmic component might cross-react (e.g. in fibroblasts).

Immunohistochemistry on Paraffin-Embedded Sections(after microwave treatment):

A slight crossreactivity with a lymphocyte subpopulation is abolished by mild trypsinization after the microwave step.

Working Dilution: After reconstitution dilute further 1/10 in PBS (pH 7.4) for Immunohistochemistry.

Incubation Time: 1h at RT for Immunohistochemistry or overnight at 2-8°C.

Reactivity: Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Immunogen: Synthetic peptide corresponding to sequence present within the intracellular part of Human Desmocollin 1

Specificity: Reacts with 111 kD (form "a") and 103 kD (form "b") polypeptides (Desmocollin 1 splice forms, both at pI 5.2) from Human epidermal desmosomes.

Mab localizes Dsc1 present in

- suprabasal layers of interfollicular epidermis
- specific cell layers (e.g. in hair follicle root sheath)
- Hassall bodies (spheroidal formations of densely packed reticulum-derived cells in the thymus).



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Formulation:	PBS buffer, pH 7.4 containing 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 dist. water.
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Stable for one year after reconstitution when stored at 2-8°C. For extended storage keep in aliquots at -20°C. Avoid repeated freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Gene Name:	desmocollin 1
Database Link:	Entrez Gene 1823 Human Q08554
Background:	Desmocollin 1 is a component of intercellular desmosome junctions. It is involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. It may contribute to epidermal cell positioning (stratification) by mediating differential adhesiveness between cells that express different isoforms. Desmocollin 1 is linked to the keratinization of epithelial tissues.
Synonyms:	DG2/DG3, DSC1, CDHF1