

Product datasheet for **BM5103**

Desmocollin 3 (DSC3) Mouse Monoclonal Antibody [Clone ID: Dsc3-U114]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Dsc3-U114
Applications:	IHC, WB
Recommended Dilution:	Immunoblotting (Western). Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin-Embedded Sections: 1/10 in PBS (pH 7.4) for 1h at RT. Microwave treatment is required. <i>Recommendations:</i> For better resolution on Frozen Sections preincubation (directly after fixation) with 0.05-0.2% Triton X100, for 5-10 min, depending on tissue type, is recommended (Ref.2; Schäfer et al. 1996).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to a sequence present on the extracellular anchor domain of Human Desmocollin 3.
Specificity:	This antibody localizes Dsc3 present in: <ul style="list-style-type: none">- all living epidermal layers- in glandular duct cells- in basal matrix cells and outer root sheath of hair follicles- basal and suprabasal cell layers of stratified epithelia (e.g. vagina, tongue, esophagus), basal layer of bladder urothelium and complex epithelium of trachea- thymic reticulum cells All simple epithelia are negative. Intercalated disks of myocardium are negative. <i>Polypeptide Reacting:</i> 109 kD and 100 kD polypeptides (desmocollin 3 splice isoforms at pI 5.2) from human epidermal desmosomes. Most tested cultured cell lines derived from stratified squamous epithelia or squamous cell carcinoma are positive (e.g A-431, HaCat).

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Formulation:	PBS buffer, pH 7.4 State: Purified State: Lyophilized purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore in 1 ml distilled water.
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	desmocollin 3
Database Link:	Entrez Gene 1825 Human Q14574
Background:	Desmocollin 3 is a calcium-dependent glycoprotein that is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. The desmosomal family members are arranged in two clusters on chromosome 18, occupying less than 650 kb combined.
Synonyms:	Desmocollin-4, HT-CP, DSC3, CDHF3, DSC4