## 36-2173: Anti-Desmoglein-1 (DSG1) Monoclonal Antibody(Clone: 18D4)

| Clonality : | Monoclonal |
| :--- | :--- |
| Clone Name : | $18 D 4$ |
| Application : | FACS,IF,WB |
| Reactivity : | Human |
| Gene : | DSG1 |
| Gene ID : | 1828 |
| Uniprot ID : | Q02413 |
| Alternative Name : | Cadherin family member 4; CDHF4; Desmoglein-1; Desmosomal glycoprotein 1; DG1; DSG1; |
| Isotype : | EPKHE; EPKHIA; Pemphigus foliaceus antigen; PPKS1; SPPK1 |
| Immunogen Information $:$ | Mouse IgG1, kappa desmoglein-1 intracellular domain |

## Description

Recognizes a protein of $\sim 150 \mathrm{kDa}$, identified as Desmoglein-1 (DSG1). Desmoglein- 1 is a member of the desmosomal cadherin family.Desmosomes are intercellular adhering junctions that represent cell surface attachment sites for intermediate filament. Desmocollins and desmogleins are the main desmosomal transmembrane proteins. Desmogleins consist of Dsg1, Dsg2, Dsg3, and Dsg4 isoforms. Within the desmosome, the extracellular domain of desmoglein is essential for calcium dependent heterophilic binding to the desmocollins, whereas the intracellular domain is essential for binding to the desmosomal plaque protein, plakoglobin. Desmoglein 1 is synthesized exclusively in the suprabasal layers. Intact and functionally active desmoglein 1 is essential to epidermal integrity.

## Product Info

| Amount : | $20 \mu \mathrm{~g} / 100 \mu \mathrm{~g}$ |
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| Content : | $200 \mu \mathrm{~g} / \mathrm{ml}$ of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10 mM PBS with |
|  | $0.05 \%$ BSA \& $0.05 \%$ azide. Also available WITHOUT BSA \& azide at $1.0 \mathrm{mg} / \mathrm{ml}$. |

## Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml)


Fig. 1: SDS-PAGE Analysis Purified DSG1 Mouse Monoclonal Antibody (18D4). Confirmation of Integrity and Purity of Antibody

