

Private: Desmoglein-1 (DSG1) Antibody

Mouse Monoclonal Antibody [Clone 18D4]

| Catalog No | Format | Size |
|-----------------|---|--------|
| 1828-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 1828-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 1828-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

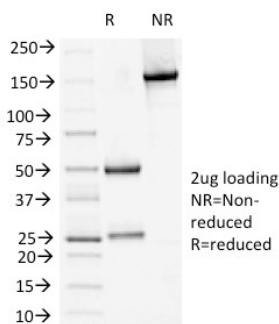
| Applications | Tested Dillution | Note |
|-------------------------|---------------------|------|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |
| Western Blot (WB) | 2-4ug/ml | |

Product Details

| | |
|-------------------------------|---|
| Clone | 18D4 |
| Gene Name | DSG1 |
| Immunogen | Human desmoglein-1 intracellular domain |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG1 / Kappa |
| Mol. Weight of Antigen | 150kDa (precursor); 160kDa (mature) |
| Cellular Localization | Cell junction, Cell membrane, Desmosome |
| Species Reactivity | Human |
| Positive Control | A431 or A-375 cells. Human skin. |

*Optimal dilution for a specific application should be determined.

Product Images for Private: Desmoglein-1 (DSG1) Antibody



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

Specificity & Comments

Recognizes a protein of ~150kDa, 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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Autophagy, Developmental Biology, Immunology, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
