

## Desmocollin-2/3 Antibody

Mouse Monoclonal Antibody [Clone 7G6]

Catalog No	Format	Size
1824-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1824-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1824-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

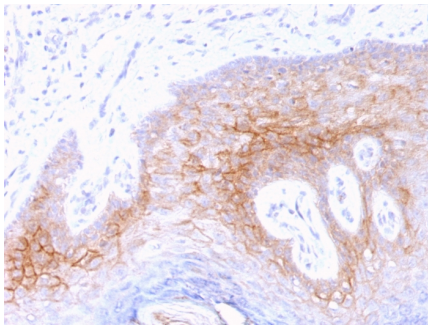
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

### Product Details

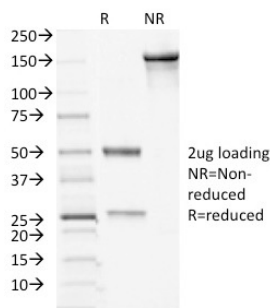
<b>Clone</b>	7G6
<b>Gene Name</b>	DSC2
<b>Immunogen</b>	Human desmocollin-2 extracellular domain
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	110kDa (DSC2); 100kDa (DSC3)
<b>Cellular Localization</b>	Cell junction, Cell membrane, Desmosome
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Positive Control</b>	HeLa cells. Skin tissue.

\*Optimal dilution for a specific application should be determined.

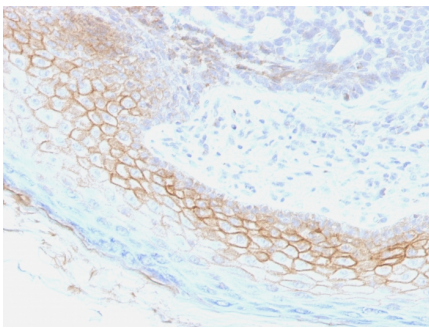
### Product Images for Desmocollin-2/3 Antibody



Formalin-fixed, paraffin-embedded human Skin stained with Desmocollin-2/3 Mouse Monoclonal Antibody (7G6).



SDS-PAGE Analysis of Purified Desmocollin-2/3 Mouse Monoclonal Antibody (7G6). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Skin stained with Desmocollin-2/3 Mouse Monoclonal Antibody (7G6).

### Specificity & Comments

Desmosomes are intercellular adhering junctions that represent cell surface attachment sites for intermediate filament. The desmosome is subdivided into two regions. The plaque region lies adjacent to the plasma, and is believed to contain molecules that attach the intermediate filament cytoskeleton to the desmosome. The core region is composed of transmembrane glycoproteins that are thought to mediate cell-cell adhesion. Desmogleins and desmocollins are the main desmosomal transmembrane proteins. These desmosomal glycoproteins belong to the members of the cadherin family of adhesion molecules. Three different isoforms of both desmogleins and desmocollins have been identified, named as desmoglein 1-3 and desmocollins. Desmosomal cadherins showed differentiation-specific expression in the human epidermis, although the functional significance of this differential expression is not fully understood. Desmocollin-1 can be found in the upper layers. The expression of desmocollin-2 varies in the basal and suprabasal layers. And desmocollin-3 is expressed more evenly throughout the suprabasal layers.

### 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.

### 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

Developmental Biology