

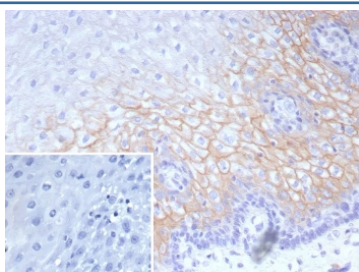
## Recombinant Desmocollin-2/3 Antibody [clone DSC2/9165R] (V5579)

Catalog No.	Formulation	Size
V5579-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5579-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5579SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

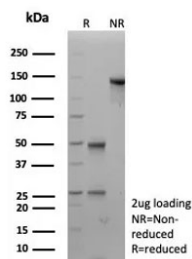
Recombinant **RABBIT MONOCLONAL**

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Name</b>	DSC2/9165R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	Q02487
<b>Localization</b>	Cell Surface
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This recombinant Desmocollin-2/3 antibody is available for research use only.



IHC staining of FFPE human esophagus tissue with recombinant Desmocollin-2/3 antibody (clone DSC2/9165R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Desmocollin-2/3 antibody (clone DSC2/9165R) as confirmation of integrity and purity.

## Description

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.

## Application Notes

Optimal dilution of the recombinant Desmocollin-2/3 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human DSC2 protein was used as the immunogen for the recombinant Desmocollin-2/3 antibody.

## Storage

Aliquot the recombinant Desmocollin-2/3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.