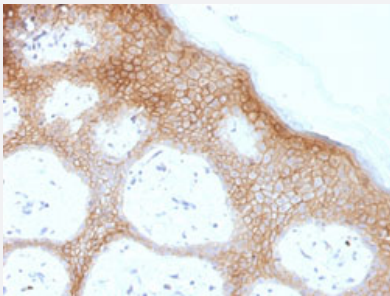


DSG1 monoclonal antibody, clone DSG1/1733

Catalog # MAB14501 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with DSG1 monoclonal antibody, clone DSG1/1733 (Cat # MAB14501).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human DSG1.
Immunogen	Recombinant protein corresponding to intracellular domain of human DSG1.
Host	Mouse
Theoretical MW (kDa)	150, 160
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with DSG1 monoclonal antibody, clone DSG1/1733 (Cat # MAB14501).

- Immunofluorescence

- Flow Cytometry

Gene Info — DSG1

Entrez GeneID

[1828](#)

Protein Accession#

[Q02413](#)

Gene Name

DSG1

Gene Alias

CDHF4, DG1, DSG

Gene Description

desmoglein 1

Omim ID

[125670](#) [148700](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Desmosomes are cell-cell junctions between epithelial, myocardial and certain other cell types. Desmoglein 1 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. The protein encoded by this gene has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus foliaceus. [provided by RefSeq]

Other Designations

desmosomal glycoprotein 1|pemphigus foliaceus antigen

Publication Reference

- [Desmoglein isotype expression in the hair follicle and its cysts correlates with type of keratinization and degree of differentiation.](#)

Wu H, Stanley JR, Cotsarelis G.

The Journal of Investigative Dermatology 2003 Jun; 120(6):1052.

Disease

- [Pemphigus](#)