

DSG1 monoclonal antibody, clone 18D4

Catalog # MAB14755 Size 100 ug

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) Western Blotting (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- 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.

Application: IF, Human, Hair follicles

- [Generation of monoclonal antibodies specific for desmoglein family members.](#)

Wahl JK 3rd.

Hybridoma and Hybridomics 2002 Feb; 21(1):37.

Application: IF, IP, WB-Tr, Human, A-431D cells

Disease

- [Pemphigus](#)