

DSG3 monoclonal antibody, clone 5H10

Catalog # MAB14761

Size 100 ug

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant human DSG3.

Immunogen Recombinant protein corresponding to extracellular domain of human DSG3.

Host Mouse

Theoretical MW (kDa) 130

Reactivity Human

Form Liquid

Purification Protein A/G purification

Isotype IgG1, kappa

Recommend Usage
Flow Cytometry (0.5-1 ug/10⁶ 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 — DSG3

Entrez GeneID	1830
Protein Accession#	P32926
Gene Name	DSG3
Gene Alias	CDHF6, DKFZp686P23184, PVA
Gene Description	desmoglein 3 (pemphigus vulgaris antigen)
Omim ID	169615
Gene Ontology	Hyperlink
Gene Summary	Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmoglein 3 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. This protein has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus vulgaris. [provided by RefSeq]
Other Designations	130-kD pemphigus vulgaris antigen desmoglein 3 pemphigus vulgaris antigen

Publication Reference

- [Delineation of diversified desmoglein distribution in stratified squamous epithelia: implications in diseases.](#)

Mahoney MG, Hu Y, Brennan D, Bazzi H, Christiano AM, Wahl JK 3rd.

Experimental Dermatology 2006 Feb; 15(2):101.

Application: IP-WB, WB-Ce, WB-Ti, WB-Tr, Human, A-431 cells

- [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

- [Genetic Predisposition to Disease](#)
- [Pemphigus](#)