

DSG3 monoclonal antibody, clone 5H10

Catalog # MAB14505 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/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 (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

- 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](#)