

DSG2 monoclonal antibody, clone 6D8

Catalog # MAB14758

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human DSG2.
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Immunogen	Recombinant protein corresponding to full length human DSG2.
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Host	Mouse
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Theoretical MW (kDa)	165
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Reactivity	Human
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Form	Liquid
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Purification	Protein A/G purification
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Isotype	IgG1, kappa
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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.
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Storage Buffer	In 10 mM PBS.
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Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot
- Immunofluorescence
- Flow Cytometry

Gene Info — DSG2

Entrez GeneID	1829
Protein Accession#	Q14126
Gene Name	DSG2
Gene Alias	ARVC10, ARVD10, CDHF5, HDGC, MGC117034, MGC117036, MGC117037
Gene Description	desmoglein 2
Omim ID	125671 610193
Gene Ontology	Hyperlink
Gene Summary	Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. This gene product 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 second family member is expressed in colon, colon carcinoma, and other simple and stratified epithelial-derived cell lines. Mutations in this gene have been associated with arrhythmogenic right ventricular dysplasia, familial, 10 . [provided by RefSeq]
Other Designations	HDGC

Publication Reference

- [The amino- and carboxyl-terminal tails of \(beta\)-catenin reduce its affinity for desmoglein 2.](#)
Wahl JK3rd, Nieset JE, Sacco-Bubulya PA, Sadler TM, Johnson KR, Wheelock MJ.
Journal of Cell Science 2000 May; 113(Pt 10):1737.
Application: WB-Ce, WB-Tr, Human, A-431, HT1080 cells
- [The human gene \(DSG2\) coding for HDGC, a second member of the desmoglein subfamily of the desmosomal cadherins, is, like DSG1 coding for desmoglein DGI, assigned to chromosome 18.](#)
Arnemann J, Spurr NK, Magee AI, Buxton RS.
Genomics 1992 Jun; 13(2):484.

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)

Disease

- [Arrhythmias](#)
- [Arrhythmogenic Right Ventricular Dysplasia](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Tachycardia](#)