Desmoglein 3 (DSG3) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Desmoglein 3 (DSG3), ELISA Kit
Full Product Name	Human Desmoglein 3 (DSG3) ELISA Kit
Product Gene Name	DSG3 elisa kit
Product Synonym Names	NR3C2; MLR; MCR; Aldosterone Receptor; Nuclear Receptor Subfamily 3 Group C Member 2
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.118ng/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	107,533 Da
OMIM	M76482 mRNA
3D Structure	ModBase 3D Structure for P32926
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for DSG3 elisa kit	MBS453519 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Desmoglein 3 (DSG3) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing DSG3. The ELISA analytical biochemical technique of the MBS453519 kit is based on DSG3 antibody-DSG3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DSG3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DSG3. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of DSG3 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DSG3. It may not necessarily be applicable to this product.

NCBI GI #	119964718
NCBI GeneID	1830
NCBI Accession #	NP_001935.2
UniProt Primary Accession #	P32926
UniProt Secondary Accession #	A8K2V2

UniProt Related Accession #	P32926
GenBank Nucleotide #	NM_001944.2
NCBI Official Full Name	desmoglein-3 preproprotein
NCBI Official Synonym Full Names	desmoglein 3
NCBI Official Symbol	DSG3
NCBI Official Synonym Symbols	PVA; CDHF6
UniProt Protein Name	Desmoglein-3
UniProt Synonym Protein Names	130 kDa pemphigus vulgaris antigen; PVA; Cadherin family member 6
Protein Family	Desmoglein
UniProt Gene Name	DSG3
UniProt Synonym Gene Names	CDHF6; PVA
NCBI Protein Information	desmoglein-3
NCBI Summary for DSG3	This gene encodes a member of the desmoglein family and cadherin cell adhesion molecule superfamily of proteins. Desmogleins are calcium-binding transmembrane glycoprotein components of desmosomes, cell-cell junctions between epithelial, myocardial, and other cell types. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This gene is present in a gene cluster with other desmoglein gene family members on chromosome 18. The encoded protein has been identified as the autoantigen of the autoimmune blistering disease pemphigus vulgaris. [provided by RefSeq, Jan 2016]
UniProt Comments for DSG3	Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion.
Research Articles on DSG3	**1.** Data identify DSG3 as a negative prognostic biomarker in resected pancreatic ductal adenocarcinoma, as high DSG3 expression is associated with poor overall survival and poor tumour-specific survival.
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