

Human Desmocollin 1 (DSC1) ELISA Kit | DSC1 elisa kit

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CATALOG #
AAA63567

REACTIVITY
Human

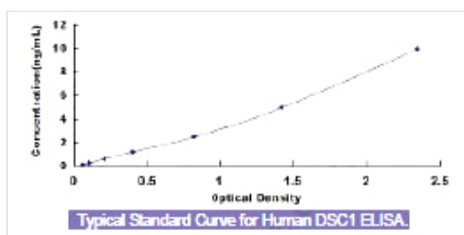
PRODUCT SYNONYMS

Desmocollin 1 (DSC1); Human Desmocollin 1 (DSC1) ELISA Kit; CDHF1; DG2/DG3; Cadherin family member 1; Desmosomal glycoprotein 2/3; DSC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DSC1. No significant cross-reactivity or interference between DSC1 and analogues was observed.
Sequence Length	840
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DSC1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DSC1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DSC1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DSC1 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DSC1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DSC1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DSC1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of DSC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826702
NCBI GeneID	1823
NCBI Accession #	NP_004939.1
NCBI GenBank Nucleotide #	NM_004948.3
UniProt Accession #	Q08554; Q9HB01
Molecular Weight	93,835 Da
NCBI Official Full Name	desmocollin-1 isoform Dsc1b
NCBI Official Synonym Full Names	desmocollin 1
NCBI Official Symbol	DSC1
NCBI Official Synonym Symbols	CDHF1; DG2/DG3
NCBI Protein Information	desmocollin-1
UniProt Protein Name	Desmocollin-1
UniProt Gene Name	DSC1
UniProt Synonym Gene Names	CDHF1; DG2/DG3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.