

## Human Desmoglein 2 (DSG2) ELISA Kit

Catalog No: #EK10527



Package Size: #EK10527-1 48T #EK10527-2 96T

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## Description

Product Name	Human Desmoglein 2 (DSG2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ARVC10; ARVD10; CDHF5; CMD1BB; HDGC; MGC117034; MGC117036; MGC117037; HDGC
Accession No.	Q14126
Uniprot	Q14126
GeneID	1829;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.054 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate DSG2 in samples. An antibody specific for DSG2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDSG2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DSG2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DSG2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmoglein 2 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.

Desmoglein-2 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.

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Note: This product is for in vitro research use only