

ARG83271 Human Desmocollin 2 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83271 Human Desmocollin 2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Desmocollin 2 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Desmocollin 2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	13 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 6.6% Inter-Assay CV: 6.3%
Alternate Names	Desmosomal glycoprotein II; ARVD11; Desmosomal glycoprotein III; DSC3; Desmocollin-3; Desmocollin-2; DG2; CDHF2; DGI/III; Cadherin family member 2

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

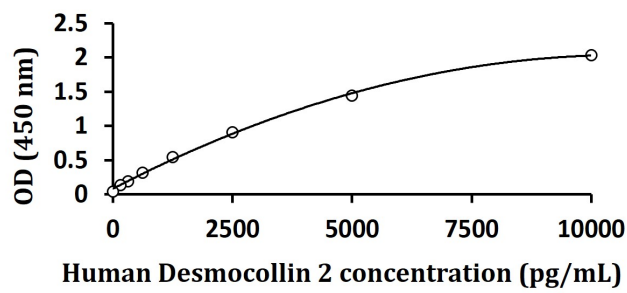
Bioinformation

Gene Symbol	DSC2
Gene Full Name	desmocollin 2
Background	This gene encodes a member of the desmocollin protein subfamily. Desmocollins, along with desmogleins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. This gene is found in a cluster with other desmocollin family members on chromosome 18. Mutations in this gene are associated with arrhythmogenic right ventricular dysplasia-11, and reduced protein expression has been described in

several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

Function	Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. May contribute to epidermal cell positioning (stratification) by mediating differential adhesiveness between cells that express different isoforms. [UniProt]
Cellular Localization	Cell membrane, Single-pass type I membrane protein, Cell junction, desmosome. [UniProt]

Images



ARG83271 Human Desmocollin 2 ELISA Kit standard curve image

ARG83271 Human Desmocollin 2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.