

Human DSC2 ELISA Kit | DSC2 elisa kit

Human DSC2 ELISA Kit PicoKine

CATALOG # AAA126733	REACTIVITY Human	APPLICATIONS ELISA
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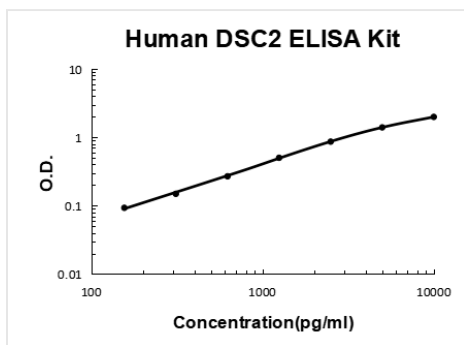
PRODUCT SYNONYMS

DSC2; Human DSC2 ELISA Kit PicoKine; DSC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human DSC2
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for DSC2 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human DSC2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DSC2 elisa kit	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. Principle of the Assay: The Picokine™ Human DSC2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human DSC2 with a 96-well strip plate that is pre-coated with antibody specific for DSC2. The detection antibody is a biotinylated antibody specific for DSC2. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human DSC2 protein as standards. To measure Human DSC2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human DSC2 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human DSC2 in the sample.
Product Categories/Family for DSC2 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	38648769
NCBI GeneID	1824
UniProt Accession #	Q02487
Molecular Weight	93,769 Da
NCBI Official Full Name	Desmocollin 2
NCBI Official Synonym Full Names	desmocollin 2
NCBI Official Symbol	DSC2
NCBI Official Synonym Symbols	DG2; DSC3; CDHF2; ARVD11; DGII/III
NCBI Protein Information	desmocollin-2
UniProt Protein Name	Desmocollin-2
UniProt Gene Name	DSC2

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.