

Human Desmocollin-3 (DSC3) ELISA Kit

Catalog No: #EK10531



Package Size: #EK10531-1 48T #EK10531-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Desmocollin-3 (DSC3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CDHF3; DSC; DSC1; DSC2; DSC4; HT-CP; desmocollin 4
Accession No.	Q14574
Uniprot	Q14574
GeneID	1825;
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:0.062 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 DSC3 in samples. An antibody specific for DSC3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDSC3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DSC3 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 DSC3 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Desmocollin 3 is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. The desmosomal family members are arranged in two clusters on chromosome 18, occupying less than 650 kb combined. The protein consisted of a signal peptide of 30 amino acids, a precursor segment of 105 amino acids, and a mature protein of 761 amino acids. Antibodies recognizing the predicted mature adhesion molecule of the protein stained antigens along the cell boundaries of normal human keratinocytes resembling the pattern of desmosome localization.

Note: This product is for in vitro research use only