

Human Desmoplakin (DSP) ELISA Kit | DSP elisa kit

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CATALOG #
AAA64649

REACTIVITY
Human

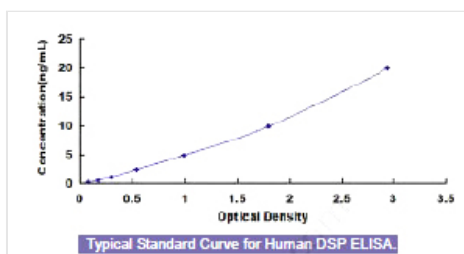
PRODUCT SYNONYMS

Desmoplakin (DSP); Human Desmoplakin (DSP) ELISA Kit; 62 kDa nucleoporin; Nuclear pore glycoprotein p62; Nucleoporin Nup62; DSP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DSP. No significant cross-reactivity or interference between DSP and analogues was observed.
Sequence Length	2272
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.126ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DSP 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 DSP 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 DSP elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DSP in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DSP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DSP. 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 DSP, 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 DSP 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 #	58530842
NCBI GeneID	1832
NCBI Accession #	NP_001008844.1
NCBI GenBank Nucleotide #	NM_001008844.2
UniProt Accession #	P15924; O75993; Q14189; Q9UHN4; B2RTT2; D7RX09
Molecular Weight	278,916 Da
NCBI Official Full Name	desmoplakin isoform II
NCBI Official Synonym Full Names	desmoplakin
NCBI Official Symbol	DSP
NCBI Official Synonym Symbols	DP; DCWHKTA
NCBI Protein Information	desmoplakin
UniProt Protein Name	Desmoplakin
UniProt Gene Name	DSP
UniProt Synonym Gene Names	DP

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.