Desmoplakin (DSP) ELISA Kit for Human

PRODUCT OVERVIEW

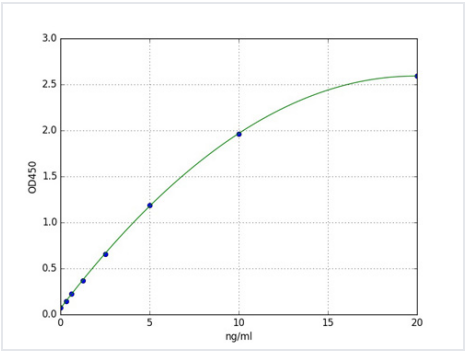
Product Name	Desmoplakin (DSP), ELISA Kit
Full Product Name	Human Desmoplakin ELISA Kit
Product Gene Name	DSP elisa kit
Product Synonym Names	DSP/Desmoplakin
Species Reactivity	Human
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C
Molecular Weight	63,196 Da
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for DSP elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human DSP antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human DSP antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human DSP amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human DSP can be calculated.
Other Notes	Small volumes of DSP elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DSP purchase	MBS760874 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Desmoplakin (DSP) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing DSP. The ELISA analytical biochemical technique of the MBS760874 kit is based on DSP antibody-DSP antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DSP antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DSP. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

Typical Data & Standard Curve

Results of a typical standard run of a Human DSP ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.009	0.123	0.235	0.432	0.684	0.973	1.530	2.089

Typical Testing Data of DSP elisa kit



Typical Standard Curve of DSP elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DSP. It may not necessarily be applicable to this product.

NCBI GI #	32698634
NCBI GeneID	1463319
NCBI Accession #	NP_872549.1
UniProt Related Accession #	Q7T9S0
GenBank Nucleotide #	NC_005038.1
NCBI Official Full Name	desmoplakin
NCBI Official Symbol	desmoplakin
UniProt Protein Name	Desmoplakin
UniProt Synonym Protein Names	Desmoplakin
Protein Family	Desmoplakin
UniProt Gene Name	desmoplakin
UniProt Entry Name	Q7T9S0_GVAO
NCBI Protein Information	desmoplakin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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