

Human Dermcidin (DCD) ELISA Kit | DCD elisa kit

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CATALOG #
AAA136270

REACTIVITY
Human

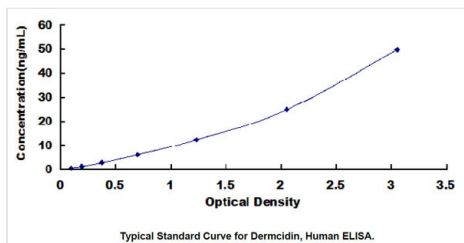
PRODUCT SYNONYMS

Dermcidin (DCD); Human Dermcidin (DCD) ELISA Kit; HCAP; AIDD; DCD1; DSEP; PIF; Proteolysis Inducing Factor; Preproteolysin; Diffusible Survival/Evasion Peptide; Survival Promoting Peptide; DCD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of dermcidin. No significant cross-reactivity or interference between dermcidin and analogues was observed.
Sequence Length	110
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.29ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level dermcidin 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 dermcidin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DCD elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to dermcidin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to dermcidin. 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 dermcidin, 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 dermcidin in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of dermcidin in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for DCD elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	16751921
NCBI GeneID	117159
NCBI Accession #	NP_444513.1
NCBI GenBank Nucleotide #	NM_053283.3
UniProt Accession #	P81605; P58461; Q53YJ2; A5JHP2; A5JHP3
Molecular Weight	8,295 Da
NCBI Official Full Name	dermcidin isoform 1 preproprotein
NCBI Official Synonym Full Names	dermcidin
NCBI Official Symbol	DCD
NCBI Official Synonym Symbols	PIF; AIDD; DSEP; HCAP; DCD-1
NCBI Protein Information	dermcidin
UniProt Protein Name	Dermcidin
UniProt Gene Name	DCD
UniProt Synonym Gene Names	AIDD; DSEP
UniProt Entry Name	DCD_HUMAN

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.