

Human dermcidin ELISA Kit | DCD elisa kit

Human Proteolysis Inducing Factor/Dermcidin, PIF/DCD ELISA Kit

CATALOG #
AAA15117

REACTIVITY
Human

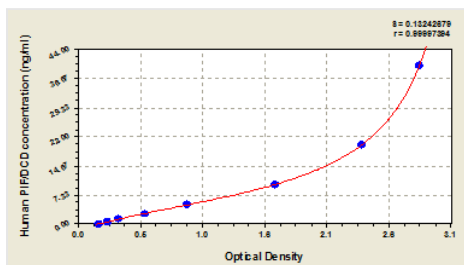
PRODUCT SYNONYMS

dermcidin; Human Proteolysis Inducing Factor/Dermcidin; PIF/DCD ELISA Kit; Human Proteolysis Inducing Factor/Dermcidin (PIF/DCD) ELISA Kit; AIDD; DCD-1; DSEP; HCAP; MGC71930; PIF; diffusible survival/evasion peptide; preproteolysin; proteolysis inducing factor; survival promoting peptide; DCD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PIF/DCD. No significant cross-reactivity or interference between human PIF/DCD and analogues was observed.
Sequence Length	110
Samples	Serum, plasma, cell culture supernates, urine, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.625 ng/ml-40 ng/ml
Sensitivity	< 0.156 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DCD elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PIF/DCD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PIF/DCD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PIF/DCD is added to the wells. After washing, avidin 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 PIF/DCD bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	11,284 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; preproteolysin; survival promoting peptide; proteolysis inducing factor; diffusible survival/evasion peptide
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.