

Human CDSN ELISA Kit | CDSN elisa kit

Human CDSN ELISA Kit PicoKine

CATALOG # AAA126707	REACTIVITY Human	APPLICATIONS ELISA
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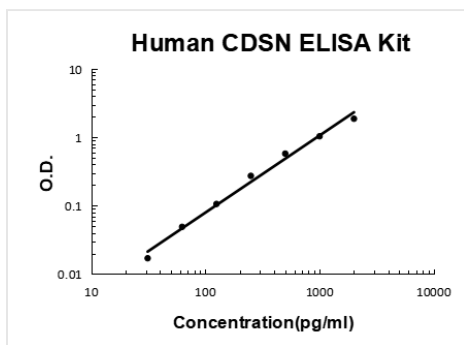
PRODUCT SYNONYMS

CDSN; Human CDSN ELISA Kit PicoKine; CDSN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CDSN
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CDSN elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human CDSN PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CDSN elisa kit	Background: Corneodesmosin is a protein that in humans is encoded by the CDSN gene. This gene encodes a protein found in corneodesmosomes, which localize to human epidermis and other cornified squamous epithelia. The encoded protein undergoes a series of cleavages during corneocyte maturation. This gene is highly polymorphic in human populations, and variation has been associated with skin diseases such as psoriasis, hypotrichosis and peeling skin syndrome. The gene is located in the major histocompatibility complex (MHC) class I region on chromosome 6. Principle of the Assay: The Picokine™ Human CDSN Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CDSN with a 96-well strip plate that is pre-coated with antibody specific for CDSN. The detection antibody is a biotinylated antibody specific for CDSN. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CDSN protein as standards. To measure Human CDSN, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CDSN in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CDSN in the sample.
Product Categories/Family for CDSN elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782356
NCBI GeneID	1041
NCBI Accession #	NP_001255.3
NCBI GenBank Nucleotide #	NM_001264.4
UniProt Accession #	Q15517; O43509; Q5SQ85; Q5STD2; Q7LA70; Q7LA71; Q86Z04; Q8IZU4; Q8IZU5; Q8IZU6; B0S7V2; B0UYZ7
Molecular Weight	51,522 Da
NCBI Official Full Name	corneodesmosin
NCBI Official Synonym Full Names	corneodesmosin
NCBI Official Symbol	CDSN
NCBI Official Synonym Symbols	S; PSS; HTSS; HTSS1; D6S586E
NCBI Protein Information	corneodesmosin; differentiated keratinocyte S protein
UniProt Protein Name	Corneodesmosin
UniProt Gene Name	CDSN
UniProt Entry Name	CDSN_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.