

Human Casein Kinase 1 Delta (CSNK1d) ELISA Kit | CSNK1d elisa kit

Human Casein Kinase 1 Delta (CSNK1d) ELISA Kit

CATALOG #
AAA186232

REACTIVITY
Human

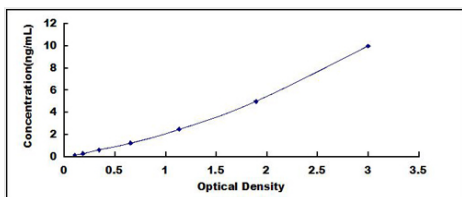
PRODUCT SYNONYMS

Casein Kinase 1 Delta (CSNK1d); Human Casein Kinase 1 Delta (CSNK1d) ELISA Kit; HCKID; Tau-protein kinase CSNK1D; Casein kinase I isoform delta; CSNK1d elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Casein Kinase 1 Delta (CSNK1d). No significant cross-reactivity or interference between Casein Kinase 1 Delta (CSNK1d) and analogues was observed.
Sequence Length	415
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.052ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Casein Kinase 1 Delta (CSNK1d) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Casein Kinase 1 Delta (CSNK1d) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 CSNK1d elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Casein Kinase 1 Delta (CSNK1d). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Casein Kinase 1 Delta (CSNK1d). 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 Casein Kinase 1 Delta (CSNK1d), 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 Casein Kinase 1 Delta (CSNK1d) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149530
NCBI GeneID	1453
NCBI Accession #	NP_001884.2
NCBI GenBank Nucleotide #	NM_001893.4
UniProt Accession #	P48730; Q96KZ6; Q9BTN5; A2I2P2
Molecular Weight	46,832 Da
NCBI Official Full Name	casein kinase I isoform delta isoform 1
NCBI Official Synonym Full Names	casein kinase 1 delta
NCBI Official Symbol	CSNK1D
NCBI Official Synonym Symbols	ASPS; HCKID; FASPS2; CKIdelta
NCBI Protein Information	casein kinase I isoform delta; casein kinase I
UniProt Protein Name	Casein kinase I isoform delta
UniProt Gene Name	CSNK1D
UniProt Synonym Gene Names	HCKID; CKI-delta; CKId

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.