

Human Cyclin Dependent Kinase 16 (CDK16) ELISA Kit | CDK16 elisa kit

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CATALOG #
AAA186618

REACTIVITY
Human

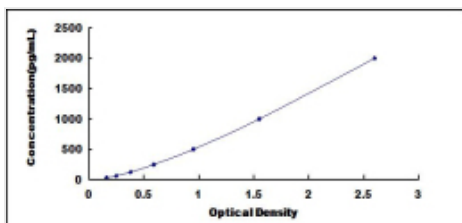
PRODUCT SYNONYMS

Cyclin Dependent Kinase 16 (CDK16); Human Cyclin Dependent Kinase 16 (CDK16) ELISA Kit; PCTK1; PCTAIRE; PCTAIRE1; PCTGAIRE; Serine/Threonine-Protein Kinase PCTAIRE-1; PCTAIRE-motif protein kinase 1; Cell division protein kinase 16; CDK16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cyclin Dependent Kinase 16 (CDK16). No significant cross-reactivity or interference between Cyclin Dependent Kinase 16 (CDK16) and analogues was observed.
Sequence Length	461
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	31.25-2000pg/mL
Sensitivity	< 12.6pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cyclin Dependent Kinase 16 (CDK16) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cyclin Dependent Kinase 16 (CDK16) 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 CDK16 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 Cyclin Dependent Kinase 16 (CDK16). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cyclin Dependent Kinase 16 (CDK16). 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 Cyclin Dependent Kinase 16 (CDK16), 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 Cyclin Dependent Kinase 16 (CDK16) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7242173
NCBI GeneID	18555
NCBI Accession #	NP_035179.1
NCBI GenBank Nucleotide #	NM_011049.5
UniProt Accession #	Q04735
Molecular Weight	52,718 Da
NCBI Official Full Name	cyclin-dependent kinase 16 isoform 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 16
NCBI Official Symbol	Cdk16
NCBI Official Synonym Symbols	Crk5; Pctk1; Pctaire1
NCBI Protein Information	cyclin-dependent kinase 16
UniProt Protein Name	Cyclin-dependent kinase 16
UniProt Gene Name	Cdk16
UniProt Synonym Gene Names	Crk5; Pctaire1; Pctk1

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cyclin-dependent-kinase-16-cdk16/186618>