

Human Cyclin-Dependent Kinase 16 (PCTK1) ELISA Kit | PCTK1 elisa kit

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CATALOG #
AAA331450

REACTIVITY
Human

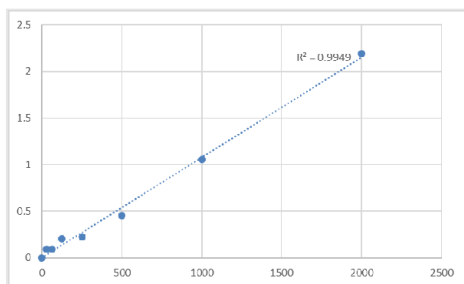
PRODUCT SYNONYMS

Cyclin-Dependent Kinase 16 (PCTK1); Human Cyclin-Dependent Kinase 16 (PCTK1) ELISA Kit; PCTK1; FLJ16665; PCTAIRE; PCTAIRE1; PCTGAIRE; OTTHUMP00000023209; PCTAIRE protein kinase 1; PCTAIRE-motif protein kinase 1; serine/threonine-protein kinase; PCTK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Cyclin-dependent kinase 16 (PCTK1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PCTK1. No significant cross-reactivity or interference between Human PCTK1 and analogues was observed.
Sequence Length	496
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Cyclin-dependent kinase 16 (PCTK1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PCTK1 elisa kit	Description: This Human Cyclin-dependent kinase 16 (PCTK1) ELISA Kit employs a two-site sandwich ELISA to quantitate PCTK1 in samples. An antibody specific for PCTK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PCTK1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCTK1 is added to the wells. After washing, Streptavidin 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 PCTK1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: CDK16 belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. It may play a role in signal transduction cascades in terminally differentiated cells. This gene is thought to escape X inactivation. Two transcript variants encoding the same protein have been found for this gene. The 3 PCTAIRE kinases are 65% identical to one another (80% within the catalytic domain). PCTAIRE1 is ubiquitously expressed with the highest levels detected in the brain and testis. Human PCTAIRE cDNAs do not complement yeast cdc28 mutants and show other differences, suggesting that PCTAIRE kinases have different cellular functions from those described for CDC2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453860
NCBI GeneID	5127
NCBI Accession #	NP_006192
NCBI GenBank Nucleotide #	NP_006192.1
UniProt Accession #	Q00536
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	PCTK1; PCTAIRE; PCTAIRE1; PCTGAIRE
NCBI Protein Information	cyclin-dependent kinase 16
UniProt Protein Name	Cyclin-dependent kinase 16
UniProt Gene Name	CDK16
UniProt Synonym Gene Names	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.