

Human Cyclin Dependent Kinase 1 ELISA Kit | CDK 1 elisa kit

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CATALOG #
AAA85359

REACTIVITY
Human

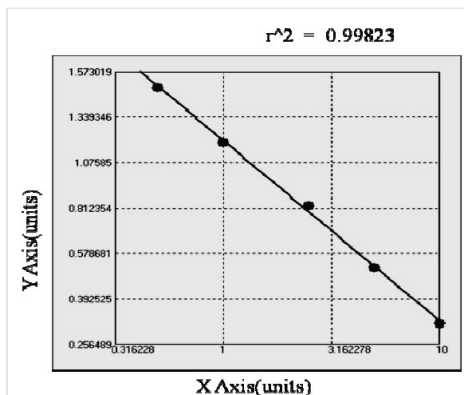
PRODUCT SYNONYMS

Cyclin Dependent Kinase 1; Human Cyclin Dependent Kinase 1 ELISA Kit; CDK 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This CDK-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CDK-1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDK 1 elisa kit

Principle of the Assay: CDK-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDK-1 antibody and an CDK-1-HRP conjugate. The assay sample and buffer are incubated together with CDK-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CDK-1 concentration since CDK-1 from samples and CDK-1-HRP conjugate compete for the anti-CDK-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDK-1 from the sample, fewer sites are left to bind CDK-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDK-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71990420
NCBI GeneID	176374
NCBI Accession #	NP_001022747.1
NCBI GenBank Nucleotide #	NM_001027576.3
UniProt Accession #	P34556; S41003
Molecular Weight	38,295 Da
NCBI Official Full Name	Protein CDK-1
NCBI Official Symbol	cdk-1
NCBI Protein Information	Protein CDK-1
UniProt Protein Name	Cyclin-dependent kinase 1
UniProt Gene Name	cdk-1
UniProt Synonym Gene Names	ncc-1; T05G5.3; CDK1
UniProt Entry Name	CDK1_CAEEL

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/cdk-1-human-elisa-kits/cyclin-dependent-kinase-1/85359>