

Human Cyclin dependent kinase 3 (CDK3) ELISA Kit | CDK3 elisa kit

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CATALOG #
AAA244705

REACTIVITY
Human

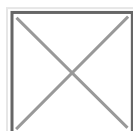
PRODUCT SYNONYMS

Cyclin dependent kinase 3 (CDK3); Human Cyclin dependent kinase 3 (CDK3) ELISA Kit; CDK3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CDK3. No significant cross-reactivity or interference between CDK3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CDK3 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDK3 elisa kit	Intended Uses: This CDK3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CDK3. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CDK3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CDK3 antibody and an CDK3-HRP conjugate. The assay sample and buffer are incubated together with CDK3-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 CDK3 concentration since CDK3 from samples and CDK3-HRP conjugate compete for the anti-CDK3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDK3 from the sample, fewer sites are left to bind CDK3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDK3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CDK3 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557439
NCBI GeneID	1018
NCBI Accession #	NP_001249.1
NCBI GenBank Nucleotide #	NM_001258.2
Molecular Weight	35,046 Da
NCBI Official Full Name	cyclin-dependent kinase 3
NCBI Official Synonym Full Names	cyclin-dependent kinase 3
NCBI Official Symbol	CDK3
NCBI Protein Information	cyclin-dependent kinase 3; cell division protein kinase 3
UniProt Protein Name	Cyclin-dependent kinase 3
UniProt Gene Name	CDK3
UniProt Synonym Gene Names	CDKN3
UniProt Entry Name	CDK3_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cyclin-dependent-kinase-3-cdk3/244705>