

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

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CATALOG #
AAA244564

REACTIVITY
Rat

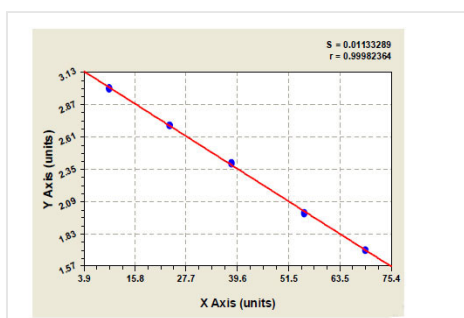
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/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 Rat CDK3. This ELISA kit for research use only!

Principle of the Assay||CDK3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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/rat-elisa-kits/cyclin-dependent-kinase-3-cdk3/244564>