

Rat Cyclin Dependent Kinase 5 ELISA Kit | CDK5 elisa kit

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CATALOG #
AAA84757

REACTIVITY
Rat

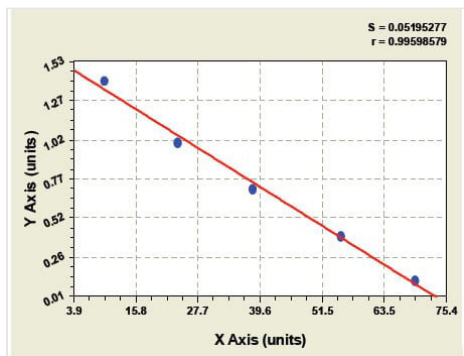
PRODUCT SYNONYMS

Cyclin Dependent Kinase 5; Rat Cyclin Dependent Kinase 5 ELISA Kit; CDK5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This CDK5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CDK5. 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 CDK5 elisa kit

Principle of the assay: CDK5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDK5 antibody and an CDK5-HRP conjugate. The assay sample and buffer are incubated together with CDK5-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 CDK5 concentration since CDK5 from samples and CDK5-HRP conjugate compete for the anti-CDK5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDK5 from the sample, fewer sites are left to bind CDK5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDK5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826675
NCBI GeneID	1020
NCBI Accession #	NP_004926.1
NCBI GenBank Nucleotide #	NM_004935.3
Molecular Weight	29,544 Da
NCBI Official Full Name	cyclin-dependent kinase 5 isoform 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 5
NCBI Official Symbol	CDK5
NCBI Official Synonym Symbols	PSSALRE
NCBI Protein Information	cyclin-dependent kinase 5; TPKII catalytic subunit; protein kinase CDK5 splicing; cell division protein kinase 5; serine/threonine-protein kinase PSSALRE; tau protein kinase II catalytic subunit
UniProt Protein Name	Cyclin-dependent kinase 5
UniProt Gene Name	CDK5
UniProt Synonym Gene Names	CDKN5; TPKII catalytic subunit
UniProt Entry Name	CDK5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/cdk5-rat-elisa-kits/cyclin-dependent-kinase-5/84757>