

Rat CDK5 ELISA Kit | CDK5 elisa kit

Rat CDK5(Cyclin Dependent Kinase 5) ELISA Kit

CATALOG #
AAA164270

REACTIVITY
Rat

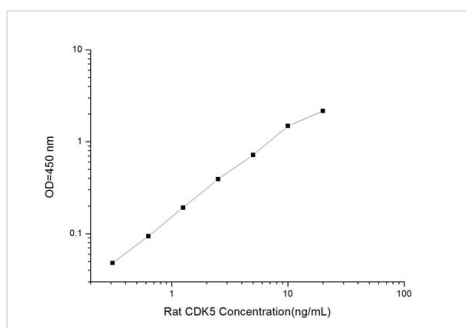
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat CDK5. No significant cross-reactivity or interference between Rat CDK5 and analogues was observed.
Sequence Length	292
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.313-20ng/mL
Sensitivity	Min: 0.188ng/mL; Max: 20ng/mL
Intended Uses	This ELISA kit applies to the in vitro quantitative determination of Rat CDK5 concentrations in serum, plasma and other biological fluids.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDK5 elisa kit	Principle of the assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to CDK5. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for CDK5 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain CDK5, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of CDK5. You can calculate the concentration of CDK5 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826675
NCBI GeneID	1020
NCBI Accession #	NP_004926.1
NCBI GenBank Nucleotide #	NM_004935.3
UniProt Accession #	Q00535; A1XKG3
Molecular Weight	29,544 Da
NCBI Official Full Name	cyclin-dependent-like 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-like kinase 5; TPKII catalytic subunit; cell division protein kinase 5; protein kinase CDK5 splicing; serine/threonine-protein kinase PSSALRE; tau protein kinase II catalytic subunit
UniProt Protein Name	Cyclin-dependent-like 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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/cdk5/164270>