Rat Cyclin-dependent kinase 5 activator 1 (CDK5R1) ELISA Kit | CDK5R1 elisa kit

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CATALOG #	REACTIVITY
AAA245950	**Rat**

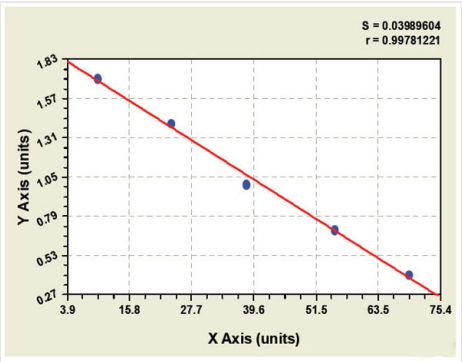
PRODUCT SYNONYMS

Cyclin-dependent kinase 5 activator 1 (CDK5R1); Rat Cyclin-dependent kinase 5 activator 1 (CDK5R1) ELISA Kit; CDK5R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This CDK5R1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CDK5R1. 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 CDK5R1 elisa kit	**Principle of the assay:** CDK5R1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDK5R1 antibody and an CDK5R1-HRP conjugate. The assay sample and buffer are incubated together with CDK5R1-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 CDK5R1 concentration since CDK5R1 from samples and CDK5R1-HRP conjugate compete for the anti-CDK5R1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDK5R1 from the sample, fewer sites are left to bind CDK5R1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDK5R1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CDK5R1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502737
NCBI GeneID	8851
NCBI Accession #	NP_003876.1
NCBI GenBank Nucleotide #	NM_003885.2
Molecular Weight	34,060 Da
NCBI Official Full Name	cyclin-dependent kinase 5 activator 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 5, regulatory subunit 1 (p35)
NCBI Official Symbol	CDK5R1
NCBI Official Synonym Symbols	p23; p25; p35; CDK5R; NCK5A; CDK5P35; p35nck5a
NCBI Protein Information	cyclin-dependent kinase 5 activator 1; CDK5 activator 1; neuronal CDK5 activator; TPKII regulatory subunit; regulatory partner for CDK5 kinase; tau protein kinase II 23kDa subunit; cyclin-dependent kinase 5 regulatory subunit 1
UniProt Protein Name	Cyclin-dependent kinase 5 activator 1
UniProt Gene Name	**CDK5R1**
UniProt Synonym Gene Names	CDK5R; NCK5A; CDK5 activator 1; p35; p25; p23
UniProt Entry Name	CD5R1_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/cyclin-dependent-kinase-5-activator-1-cdk5r1/245950