Rat Cyclin-dependent kinase 5 activator 1 ELISA Kit | Cdk5r1 elisa kit

Rat Cyclin-dependent kinase 5 activator 1 ELISA Kit

CATALOG #	REACTIVITY
AAA99672	**Rat**

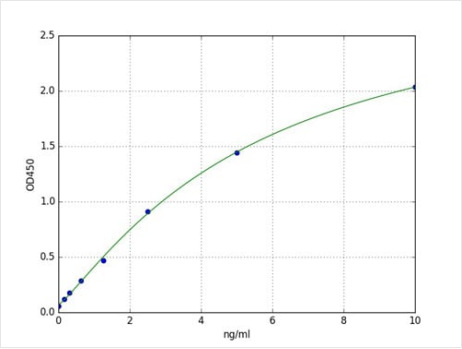
PRODUCT SYNONYMS

Cyclin-dependent kinase 5 activator 1; Rat Cyclin-dependent kinase 5 activator 1 ELISA Kit; Cdk5r1/Cyclin-dependent kinase 5 activator 1/CDK5 activator 1/Cyclin-dependent kinase 5 regulatory subunit 1/TPKII regulatory subunit/CDK5R/NCK5A; Cdk5r1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	307
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Cdk5r1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.004	0.108	0.217	0.392	0.819	1.101	1.652	2.168

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cdk5r1 elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Cdk5r1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Cdk5r1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Cdk5r1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Cdk5r1 can be calculated.

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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/cdk5r1-rat-elisa-kits/cyclin-dependent-kinase-5-activator-1/99672