

Rat Cyclin Dependent Kinase Inhibitor 1A ELISA Kit | CDKN1A elisa kit

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CATALOG #
AAA98061

REACTIVITY
Rat

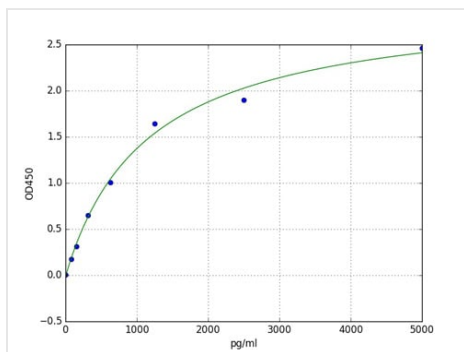
PRODUCT SYNONYMS

Cyclin Dependent Kinase Inhibitor 1A; Rat Cyclin Dependent Kinase Inhibitor 1A ELISA Kit; CDKN1A/CDKN1A/CIP1/CAP20cyclin-dependent kinase inhibitor 1/CDK-interacting protein 1/CDKN1melanoma differentiation associated protein 6/CIP1WAF1CDK-interaction protein 1/cyclin-dependent kinase inhibitor 1A (p21; Cip1)/MDA6/MDA-6/Melanoma differentiation-associated protein 6/p21/P21/p21CIP1/p21Cip1/Waf1/PIC1/SDI1DNA synthesis inhibitor/wild-type p53-activated fragment 1; CDKN1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	164
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/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 CDKN1A 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	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.039	0.354	0.581	1.057	1.332	1.971	1.807	2.619

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDKN1A elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat CDKN1A antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat CDKN1A 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 CDKN1A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat CDKN1A can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	197692545
NCBI GeneID	1026
Molecular Weight	18,119 Da
NCBI Official Full Name	cyclin-dependent kinase inhibitor 1A, partial
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 1A
NCBI Official Symbol	CDKN1A
NCBI Official Synonym Symbols	P21; CIP1; SDI1; WAF1; CAP20; CDKN1; MDA-6; p21CIP1
NCBI Protein Information	cyclin-dependent kinase inhibitor 1
UniProt Protein Name	Cyclin-dependent kinase inhibitor 1
UniProt Gene Name	CDKN1A
UniProt Synonym Gene Names	CAP20; CDKN1; CIP1; MDA6; PIC1; SDI1; WAF1; MDA-6
UniProt Entry Name	CDN1A_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/cdkn1a-rat-elisa-kits/cyclin-dependent-kinase-inhibitor-1a/98061>