

Mouse Cyclin-dependent kinase 2 ELISA Kit | CDK2 elisa kit

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CATALOG #
AAA99905

REACTIVITY
Mouse

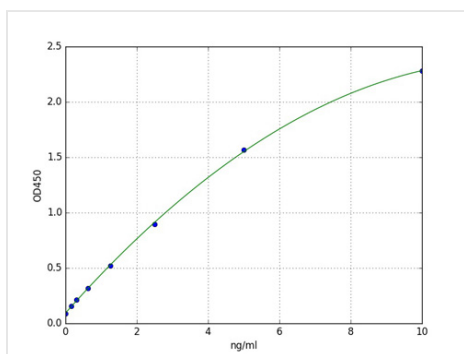
PRODUCT SYNONYMS

Cyclin-dependent kinase 2; Mouse Cyclin-dependent kinase 2 ELISA Kit; CDK2/Cell division protein kinase 2/p33 protein kinase/CDKN2/cdc2-related protein kinase/Cell division kinase 2; CDK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	298
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 Mouse CDK2 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	0.090	0.161	0.270	0.403	0.645	0.986	1.388	1.946

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDK2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse CDK2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse CDK2 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 Mouse CDK2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse CDK2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41054836
NCBI GeneID	362817
NCBI Accession #	NP_955795.1
NCBI GenBank Nucleotide #	NM_199501.1
Molecular Weight	– Da
NCBI Official Full Name	cyclin-dependent kinase 2
NCBI Official Synonym Full Names	cyclin dependent kinase 2
NCBI Official Symbol	Cdk2
NCBI Protein Information	cyclin-dependent kinase 2
UniProt Protein Name	Cyclin-dependent kinase 2
UniProt Gene Name	Cdk2
UniProt Synonym Gene Names	Cdkn2
UniProt Entry Name	CDK2_RAT

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/cdk2-mouse-elisa-kits/cyclin-dependent-kinase-2/99905>