

Human Cyclin Dependent Kinase 7 ELISA Kit | CDK7 elisa kit

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CATALOG #
AAA98439

REACTIVITY
Human

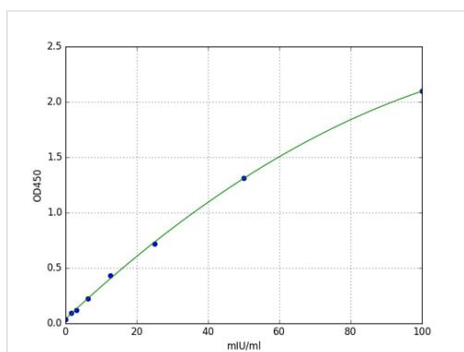
PRODUCT SYNONYMS

Cyclin Dependent Kinase 7; Human Cyclin Dependent Kinase 7 ELISA Kit; CDK7/TFIIH basal transcription factor complex kinase subunit/Serine; threonine-protein kinase 1/Cell division protein kinase 7/39 kDa protein kinase/p39 Mo15/CDK-activating kinase 1/; CDK7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	346
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 Human CDK7 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	mIU/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.059	0.123	0.159	0.255	0.441	0.806	1.466	2.013

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDK7 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CDK7 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CDK7 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 Human CDK7 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CDK7 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502743
NCBI GeneID	1022
NCBI Accession #	NP_001790.1
NCBI GenBank Nucleotide #	NM_001799.3
Molecular Weight	39,038 Da
NCBI Official Full Name	cyclin-dependent kinase 7
NCBI Official Synonym Full Names	cyclin-dependent kinase 7
NCBI Official Symbol	CDK7
NCBI Official Synonym Symbols	CAK1; HCAK; MO15; STK1; CDKN7; p39MO15
NCBI Protein Information	cyclin-dependent kinase 7
UniProt Protein Name	Cyclin-dependent kinase 7
UniProt Gene Name	CDK7
UniProt Synonym Gene Names	CAK; CAK1; CDKN7; MO15; STK1; p39 Mo15
UniProt Entry Name	CDK7_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/cdk7-human-elisa-kits/cyclin-dependent-kinase-7/98439>