

Human CDK7 ELISA Kit | CDK7 elisa kit

Human CDK7 (Cyclin Dependent Kinase 7) ELISA Kit

CATALOG #
AAA164083

REACTIVITY
Human

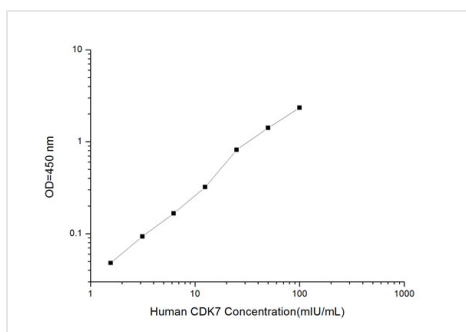
PRODUCT SYNONYMS

CDK7; Human CDK7 (Cyclin Dependent Kinase 7) ELISA Kit; CDK7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human CDK7 in samples. No significant cross-reactivity or interference between Human CDK7 and analogues was observed.
Sequence Length	346
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	1.56-100mIU/mL
Sensitivity	0.94mIU/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human CDK7 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human CDK7 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDK7 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CDK7. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human CDK7 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CDK7, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human CDK7. You can calculate the concentration of Human CDK7 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human CDK7 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502743
NCBI GeneID	1022
NCBI Accession #	NP_001790.1
NCBI GenBank Nucleotide #	NM_001799.3
UniProt Accession #	P50613; Q9BS60; Q9UE19
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; 39 KDa protein kinase; CAK; CDK-activating kinase 1; TFIIF basal transcription factor complex kinase subunit; cell division protein kinase 7; cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase); homolog of Xenopus MO15 Cdk-activating kinase; kinase subunit of CAK; p39 Mo15; serine/threonine kinase stk1; serine/threonine protein kinase 1; serine/threonine protein kinase MO15; serine/threonine-protein kinase 1
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.