

Mouse Cyclin Dependent Kinase 8 (CDK8) ELISA Kit | CDK8 elisa kit

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CATALOG #
AAA65688

REACTIVITY
Mouse

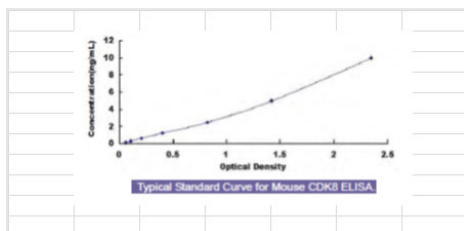
PRODUCT SYNONYMS

Cyclin Dependent Kinase 8 (CDK8); Mouse Cyclin Dependent Kinase 8 (CDK8) ELISA Kit; K35; Cell division protein kinase 8; Mediator complex subunit CDK8; Mediator of RNA polymerase II transcription subunit CDK8; CDK8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CDK8. No significant cross-reactivity or interference between CDK8 and analogues was observed.
Sequence Length	464
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CDK8 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CDK8 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDK8 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CDK8 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CDK8. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CDK8. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CDK8, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CDK8 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31652272
NCBI GeneID	264064
NCBI Accession #	NP_705827.2
NCBI GenBank Nucleotide #	NM_153599.3
UniProt Accession #	Q8R3L8
Molecular Weight	52,611 Da
NCBI Official Full Name	cyclin-dependent kinase 8
NCBI Official Synonym Full Names	cyclin-dependent kinase 8
NCBI Official Symbol	Cdk8
NCBI Protein Information	cyclin-dependent kinase 8
UniProt Protein Name	Cyclin-dependent kinase 8
UniProt Gene Name	Cdk8

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/mouse-elisa-kits/cyclin-dependent-kinase-8-cdk8/65688>