

Human Cyclin-dependent kinase 12 ELISA Kit | CDK12 elisa kit

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CATALOG #
AAA98958

REACTIVITY
Human

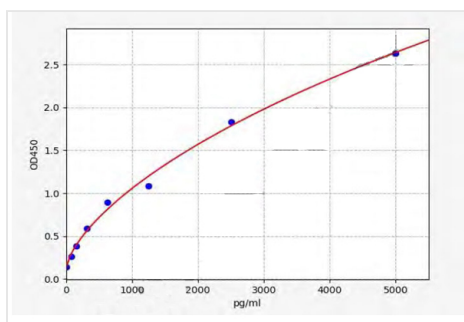
PRODUCT SYNONYMS

Cyclin-dependent kinase 12; Human Cyclin-dependent kinase 12 ELISA Kit; CDK12/Cell division protein kinase 12 (hCDK12)/Cdc2-related kinase; arginine/serine-rich (CrkRS)/Cell division cycle 2-related protein kinase 7 (CDC2-related protein kinase 7); CDK12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CDK12. No significant crossreactivity or interference between CDK12 and analogues was observed.
Sequence Length	1239
Assay Type	Sandwich
Samples	Cell lysates, tissue homogenates and other biological fluids
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
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)

ADDITIONAL INFORMATION

Related Product Information for CDK12 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed 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 target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	198282055
NCBI GeneID	100038049
NCBI Accession #	NP_001128283.1
NCBI GenBank Nucleotide #	NM_001134811.1
Molecular Weight	138,328 Da
NCBI Official Full Name	cyclin-dependent kinase 12
NCBI Official Synonym Full Names	cyclin-dependent kinase 12
NCBI Official Symbol	cdk12
NCBI Official Synonym Symbols	crk7; crkr; crkrs
NCBI Protein Information	cyclin-dependent kinase 12
UniProt Protein Name	Cyclin-dependent kinase 12
UniProt Gene Name	cdk12
UniProt Entry Name	CDK12_XENTR

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/cdk12-human-elisa-kits/cyclin-dependent-kinase-12/98958>