

Rat Cyclin Dependent Kinase 9 ELISA Kit | CDK9 elisa kit

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CATALOG #
AAA81914

REACTIVITY
Rat

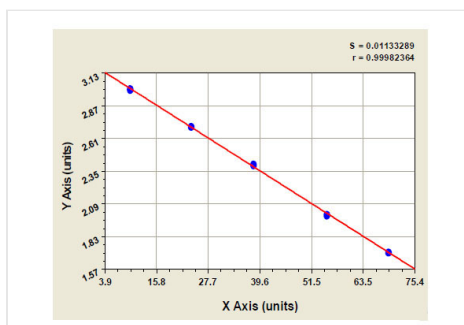
PRODUCT SYNONYMS

Cyclin Dependent Kinase 9; Rat Cyclin Dependent Kinase 9 ELISA Kit; CDK9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This CDK9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CDK9. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDK9 elisa kit

Principle of the assay: CDK9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDK9 antibody and an CDK9-HRP conjugate. The assay sample and buffer are incubated together with CDK9-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CDK9 concentration since CDK9 from samples and CDK9-HRP conjugate compete for the anti-CDK9 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDK9 from the sample, fewer sites are left to bind CDK9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDK9 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CDK9 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502747
NCBI GeneID	1025
NCBI Accession #	NP_001252.1
NCBI GenBank Nucleotide #	NM_001261.3
Molecular Weight	53,365 Da
NCBI Official Full Name	cyclin-dependent kinase 9
NCBI Official Synonym Full Names	cyclin-dependent kinase 9
NCBI Official Symbol	CDK9
NCBI Official Synonym Symbols	TAK; C-2k; CTK1; CDC2L4; PITALRE
NCBI Protein Information	cyclin-dependent kinase 9; CDC2-related kinase; cell division protein kinase 9; serine/threonine protein kinase PITALRE; cell division cycle 2-like protein kinase 4; tat-associated kinase complex catalytic subunit
UniProt Protein Name	Cyclin-dependent kinase 9
UniProt Gene Name	CDK9
UniProt Synonym Gene Names	CDC2L4; TAK
UniProt Entry Name	CDK9_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/cdk9-rat-elisa-kits/cyclin-dependent-kinase-9/81914>