

Canine Cyclin Dependent Kinase 9 ELISA Kit | CDK9 elisa kit

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CATALOG #
AAA97076

REACTIVITY
Canine

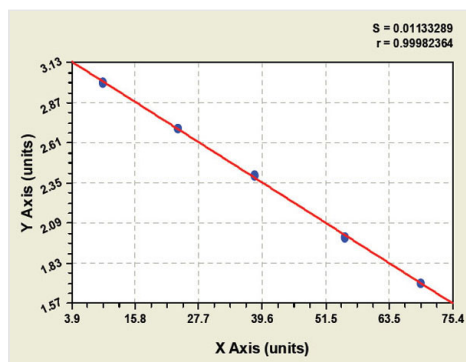
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDK9 elisa kit

Intended Uses: This CDK9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CDK9. This ELISA kit for research use only!

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.

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.