

Canine Cyclin Dependent Kinase 2 ELISA Kit | CDK-2 elisa kit

Canine Cyclin Dependent Kinase 2 ELISA Kit

CATALOG #
AAA89975

REACTIVITY
Canine

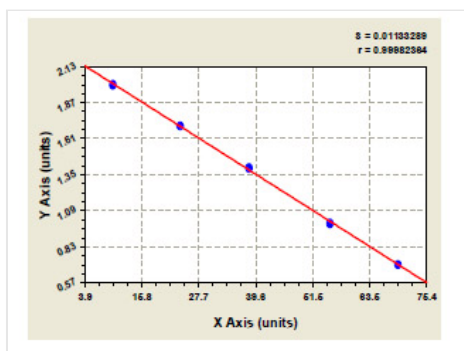
PRODUCT SYNONYMS

Cyclin Dependent Kinase 2; Canine Cyclin Dependent Kinase 2 ELISA Kit; CDK-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample C)

ADDITIONAL INFORMATION

Related Product Information for CDK-2 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CDK-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CDK-2. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CDK-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDK-2 antibody and an CDK-2-HRP conjugate. The assay sample and buffer are incubated together with CDK-2-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 CDK-2 concentration since CDK-2 from samples and CDK-2-HRP conjugate compete for the anti-CDK-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDK-2 from the sample, fewer sites are left to bind CDK-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDK-2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CDK-2 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	41054836
NCBI GeneID	362817
NCBI Accession #	NP_955795.1
NCBI GenBank Nucleotide #	NM_199501.1
Molecular Weight	– Da
NCBI Official Full Name	cyclin-dependent kinase 2
NCBI Official Synonym Full Names	cyclin dependent kinase 2
NCBI Official Symbol	Cdk2
NCBI Protein Information	cyclin-dependent kinase 2; cell division protein kinase 2; cyclin dependent kinase 2-alpha
UniProt Protein Name	Cyclin-dependent kinase 2
UniProt Gene Name	Cdk2
UniProt Synonym Gene Names	Cdkn2
UniProt Entry Name	CDK2_RAT

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.