

Canine Calcium/calmodulin-dependent protein kinase type II subunit delta (CAMK2D) ELISA Kit | CAMK2D elisa kit

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CATALOG #
AAA245390

REACTIVITY
Canine

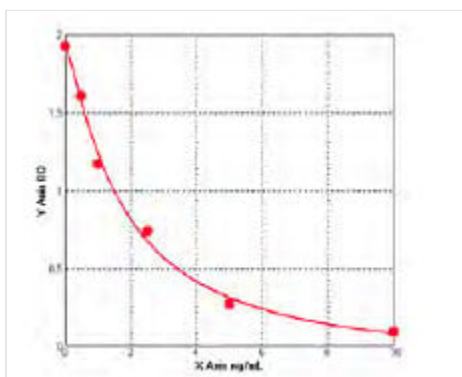
PRODUCT SYNONYMS

Calcium/calmodulin-dependent protein kinase type II subunit delta (CAMK2D); Canine Calcium/calmodulin-dependent protein kinase type II subunit delta (CAMK2D) ELISA Kit; CAMK2D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAMK2D elisa kit

Intended Uses: This CAMK2D ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CAMK2D. This ELISA kit for research use only!

Principle of the Assay: CAMK2D ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CAMK2D antibody and an CAMK2D-HRP conjugate. The assay sample and buffer are incubated together with CAMK2D-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 CAMK2D concentration since CAMK2D from samples and CAMK2D-HRP conjugate compete for the anti-CAMK2D antibody binding site. Since the number of sites is limited, as more sites are occupied by CAMK2D from the sample, fewer sites are left to bind CAMK2D-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAMK2D concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	26667189
NCBI GeneID	817
NCBI Accession #	NP_742126.1
NCBI GenBank Nucleotide #	NM_172128.2
Molecular Weight	54,114 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit delta isoform 2
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II delta
NCBI Official Symbol	CAMK2D
NCBI Official Synonym Symbols	CAMKD
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit delta; CaMK-II delta subunit; caMK-II subunit delta; CaM-kinase II delta chain; CaM kinase II delta subunit; caM kinase II subunit delta; calcium/calmodulin-dependent protein kinase type II delta chain; calcium/calmodulin-dependent protein kinase (CaM kinase) II delta
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit delta
UniProt Gene Name	CAMK2D
UniProt Synonym Gene Names	CAMKD; CaM kinase II subunit delta; CaMK-II subunit delta
UniProt Entry Name	KCC2D_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/canine-elisa-kits/calcium-calmodulin-dependent-protein-kinase-type-ii-subunit-delta-camk2d/245390>