

Chicken Calcium/calmodulin-dependent protein kinase-II ELISA Kit | CAMK2 elisa kit

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CATALOG # AAA94911	REACTIVITY Chicken
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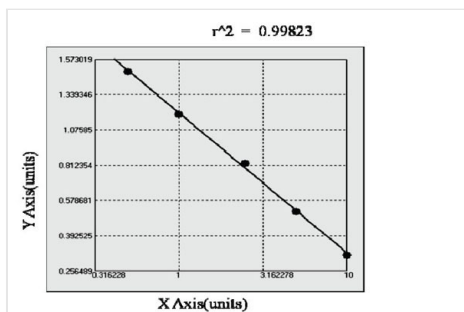
PRODUCT SYNONYMS

Calcium/calmodulin-dependent protein kinase-II; Chicken Calcium/calmodulin-dependent protein kinase-II ELISA Kit; CAMK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This CAMK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken CAMK2. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAMK2 elisa kit	Principle of the Assay: CAMK2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CAMK2 antibody and an CAMK2-HRP conjugate. The assay sample and buffer are incubated together with CAMK2-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 CAMK2 concentration since CAMK2 from samples and CAMK2-HRP conjugate compete for the anti-CAMK2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CAMK2 from the sample, fewer sites are left to bind CAMK2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAMK2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CAMK2 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	26051218
NCBI GeneID	816
NCBI Accession #	NP_742081.1
NCBI GenBank Nucleotide #	NM_172084.2
Molecular Weight	57,938 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit beta isoform 8
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II beta
NCBI Official Symbol	CAMK2B
NCBI Official Synonym Symbols	CAM2; CAMK2; CAMKB
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit beta; caMK-II subunit beta; CaM-kinase II beta chain; CaM kinase II beta subunit; proline rich calmodulin-dependent protein kinase
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit beta
UniProt Gene Name	CAMK2B
UniProt Synonym Gene Names	CAM2; CAMK2; CAMKB; CaM kinase II subunit beta; CaMK-II subunit beta
UniProt Entry Name	KCC2B_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/camk2-chicken-elisa-kits/calcium-calmodulin-dependent-protein-kinase-ii/94911>