

Mouse Calcium/calmodulin-dependent protein kinase type II subunit alpha ELISA Kit | Camk2a elisa kit

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CATALOG #
AAA193667

REACTIVITY
Mouse

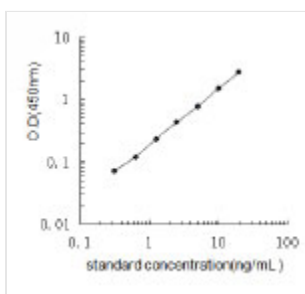
PRODUCT SYNONYMS

Calcium/calmodulin-dependent protein kinase type II subunit alpha; Mouse Calcium/calmodulin-dependent protein kinase type II subunit alpha ELISA Kit; CaM kinase II subunit alpha; CaMK-II subunit alpha; Camk2a; 2.7.11.17; Camk2a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Calcium/calmodulin-dependent protein kinase type II subunit alpha
Sequence Length	189
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.78-50 ng/mL
Sensitivity	<0.39ng/mL
Intra-assay Precision	Intra-Assay CV: <=5.7%
Inter-assay Precision	Inter-Assay CV: <=10.4%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Camk2a elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	558472775
NCBI GeneID	12322
NCBI Accession #	NP_001273738.1
NCBI GenBank Nucleotide #	NM_001286809.1
UniProt Accession #	P11798; Q61284; Q6ZWN4
Molecular Weight	22,584 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit alpha isoform 3
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II alpha
NCBI Official Symbol	Camk2a
NCBI Official Synonym Symbols	CaMKII; R74975; mKIAA0968
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit alpha
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit alpha
UniProt Gene Name	Camk2a
UniProt Synonym Gene Names	CaM kinase II subunit alpha; CaMK-II subunit alpha
UniProt Entry Name	KCC2A_MOUSE

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/camk2a-mouse-elisa-kits/calcium-calmodulin-dependent-protein-kinase-type-ii-subunit-alpha/193667>