Mouse Camk2b (Calcium/calmodulin-dependent protein kinase type II subunit beta) ELISA Kit | Camk2b elisa kit

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CATALOG #	REACTIVITY
AAA250587	**Mouse**

PRODUCT SYNONYMS

Camk2b (Calcium/calmodulin-dependent protein kinase type II subunit beta); Mouse Camk2b (Calcium/calmodulin-dependent protein kinase type II subunit beta) ELISA Kit; Calcium/calmodulin-dependent protein kinase type II subunit beta; CaM kinase II subunit beta; CaMK-II subunit beta; Camk2b; Camk2b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Camk2b. No significant crossreactivity or interference between Camk2b and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for Camk2b elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226693349
NCBI GeneID	12323
NCBI Accession #	NP_031621.3
NCBI GenBank Nucleotide #	NM_007595.5
UniProt Accession #	P28652; Q5SVH9
Molecular Weight	60,461 Da

NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit beta isoform 2
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II, beta
NCBI Official Symbol	Camk2b
NCBI Official Synonym Symbols	Camk2d
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit beta; CaMK II; caMK-II subunit beta; caM kinase II subunit beta; calcium/calmodulin-dependent protein kinase II, delta
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit beta
UniProt Gene Name	**Camk2b**
UniProt Synonym Gene Names	Camk2d; CaM kinase II subunit beta; CaMK-II subunit beta
UniProt Entry Name	KCC2B_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/mouse-elisa-kits/camk2b-calcium-calmodulin-dependent-protein-kinase-type-ii-subunit-beta/250587