

Human Calmodulin (CAM) ELISA Kit | CAM elisa kit

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CATALOG #
AAA67898

REACTIVITY
Human

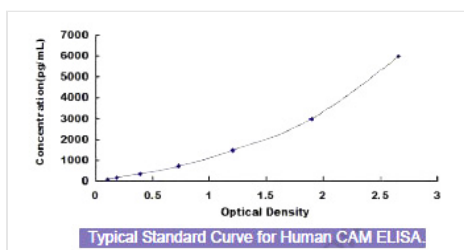
PRODUCT SYNONYMS

Calmodulin (CAM); Human Calmodulin (CAM) ELISA Kit; CALcium MODULated ProteIN; CAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CAM. No significant cross-reactivity or interference between CAM and analogues was observed.
Sequence Length	149
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	93.75-6000pg/mL
Sensitivity	34.56pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CAM were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CAM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAM elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CAM in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CAM. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CAM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CAM, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CAM 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 #	779176942
NCBI GeneID	805
NCBI Accession #	NP_001292553.1
NCBI GenBank Nucleotide #	NM_001305624.1
UniProt Accession #	P62158; P02593; P70667; P99014; Q13942; Q53S29; Q61379; Q61380; Q96HK3
Molecular Weight	16,838 Da
NCBI Official Full Name	calmodulin isoform 1
NCBI Official Synonym Full Names	calmodulin 2
NCBI Official Symbol	CALM2
NCBI Official Synonym Symbols	caM; PHKD; CAMII; LQT15; PHKD2
NCBI Protein Information	calmodulin
UniProt Protein Name	Calmodulin
UniProt Gene Name	CALM1
UniProt Synonym Gene Names	CALM; CAM; CAM1; CaM

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.