

Rat calmodulin 1 (phosphorylase kinase, delta) ELISA Kit | CALM1 elisa kit

Rat calmodulin, CAM ELISA Kit

CATALOG #
AAA80434

REACTIVITY
Rat

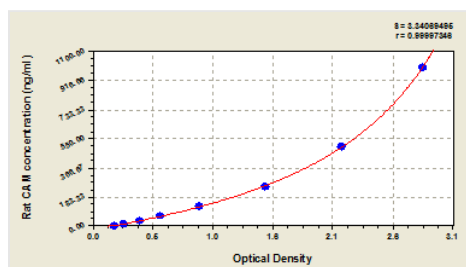
PRODUCT SYNONYMS

calmodulin 1 (phosphorylase kinase; delta); Rat calmodulin; CAM ELISA Kit; CAMI; DD132; PHKD; calmodulin 1; phosphorylase kinase; delta subunit; CALM1 CALM CAM1; CALM2 CAM2 CAMB; CALM3 CALML2 CAM3 CAMC CAMIII; CALM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat CAM. No significant cross-reactivity or interference between rat CAM and analogues was observed.
Sequence Length	149
Samples	Serum, plasma
Assay Type	Sandwich
Detection Range	15.6 ng/ml -1000 ng/ml.
Sensitivity	The minimum detectable dose of rat CAM is typically less than 3.9 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CALM1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CAM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CAM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CAM is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CAM bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978591
NCBI GeneID	24244
NCBI Accession #	NP_036650.1
NCBI GenBank Nucleotide #	NM_012518.3
UniProt Accession #	P62161; P02593; P70667; P99014; Q61379; Q61380
Molecular Weight	16,838 Da
NCBI Official Full Name	calmodulin
NCBI Official Synonym Full Names	calmodulin 3
NCBI Official Symbol	Calm3
NCBI Official Synonym Symbols	RNCAMIII
NCBI Protein Information	calmodulin; caM; Calmodulin III
UniProt Protein Name	Calmodulin
UniProt Gene Name	Calm1
UniProt Synonym Gene Names	Calm; Cam; Cam1 Calm2 ; Cam2; Camb Calm3 ; Cam3; Camc; CaM
UniProt Entry Name	CALM_RAT

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://www.aaabiotech.com/calm1-rat-elisa-kits/calmodulin-1-phosphorylase-kinase-delta/80434>