

Plant Calmodulin ELISA Kit | CAM elisa kit

Plant Calmodulin (CAM) ELISA Kit

CATALOG # AAA55344	REACTIVITY Plant
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PRODUCT SYNONYMS

Calmodulin; Plant Calmodulin (CAM) ELISA Kit; CAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Plant
Specificity	This assay has high sensitivity and excellent specificity for detection of Plant CAM. No significant cross-reactivity or interference between Plant CAM and analogues was observed.
Sequence Length	149
Assay Type	Quantitative Competitive
Samples	Plant tissue
Detection Range	15.6 pg/mL - 1000 pg/mL
Sensitivity	5.2 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CAM elisa kit	Principle of the Assay: This assay employs the competitive enzyme immunoassay technique. 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 Horseradish Peroxidase (HRP)-conjugated CAM and incubated. The competitive inhibition reaction is launched between with HRP labeled CAM and unlabeled CAM with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of CAM in the sample. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Plant Calmodulin (CAM) concentration in plant tissue.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5542035
NCBI GeneID	801
Molecular Weight	16,838 Da
NCBI Official Full Name	calmodulin
NCBI Official Synonym Full Names	calmodulin 1 (phosphorylase kinase, delta)
NCBI Official Symbol	CALM1

NCBI Official Synonym Symbols	caM; CAMI; PHKD; CPVT4; DD132; CALML2
NCBI Protein Information	calmodulin; prepro-calmodulin 1; phosphorylase kinase, delta subunit
UniProt Protein Name	Calmodulin
UniProt Gene Name	CALM1
UniProt Synonym Gene Names	CALM; CAM; CAM1; CaM
UniProt Entry Name	CALM_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://www.aaabiotech.com/cam-plant-elisa-kits/calmodulin/55344>