

Mouse Calmodulin ELISA Kit | CAM elisa kit

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CATALOG #
AAA84569

REACTIVITY
Mouse

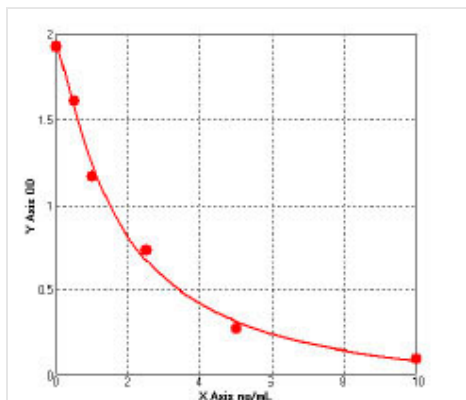
PRODUCT SYNONYMS

Calmodulin; Mouse Calmodulin ELISA Kit; CAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CAM and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAM elisa kit	Intended Uses: This CAM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CAM. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CAM ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CAM antibody and an CAM-HRP conjugate. The assay sample and buffer are incubated together with CAM-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CAM concentration since CAM from samples and CAM-HRP conjugate compete for the anti-CAM antibody binding site. Since the number of sites is limited, as more sites are occupied by CAM from the sample, fewer sites are left to bind CAM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAM concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CAM elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	194177199
NCBI GeneID	6530156
Molecular Weight	16,811 Da
NCBI Official Full Name	Cam
NCBI Official Symbol	DyakCam
NCBI Official Synonym Symbols	Cam; DyakGE12425; dyak_GLEANR_12680; GE12425
NCBI Protein Information	GE12425 gene product from transcript GE12425-RA; Cam; Cam-PA; DyakCam-PA; DyakGE12425-PA
UniProt Protein Name	Cam
UniProt Gene Name	Cam
UniProt Synonym Gene Names	DyakCam; Dyak_GE12425; GE12425
UniProt Entry Name	B4P5L3_DROYA

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.