CAM (Calmodulin) (CAM) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	CAM (Calmodulin), ELISA Kit
Full Product Name	Rat CAM (Calmodulin) ELISA Kit
Product Gene Name	CAM elisa kit
Product Synonym Names	Calcium modulated protein
Species Reactivity	Rat
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.072ng/mL
Product Categories/Family for CAM elisa kit	Signal transduction; Metabolic pathway; Apoptosis; Infection immunity
Related Product Information for CAM elisa kit	Test Principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat CAM. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 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 Rat 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 Rat CAM in the samples is then determined by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of CAM elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CAM purchase	MBS8821359 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CAM (Calmodulin) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CAM. The ELISA analytical biochemical technique of the MBS8821359 kit is based on CAM antibody-CAM antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CAM antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CAM. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/rat-elisa-kits/cam-calmodulin/8821359