

Mouse Phosphorylated Ca²⁺/calmodulin-dependent protein kinase ELISA Kit | P-CaM kinase elisa kit

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CATALOG #

AAA93753

REACTIVITY

Mouse

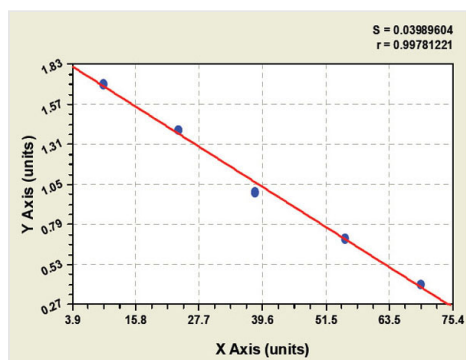
PRODUCT SYNONYMS

Phosphorylated Ca²⁺/calmodulin-dependent protein kinase; Mouse Phosphorylated Ca²⁺/calmodulin-dependent protein kinase ELISA Kit; P-CaM kinase elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 P-CaM kinase elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This P-CaM kinase ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse P-CaM kinase. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY P-CaM kinase ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-P-CaM kinase antibody and an P-CaM kinase-HRP conjugate. The assay sample and buffer are incubated together with P-CaM kinase-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 P-CaM kinase concentration since P-CaM kinase from samples and P-CaM kinase-HRP conjugate compete for the anti-P-CaM kinase antibody binding site. Since the number of sites is limited, as more sites are occupied by P-CaM kinase from the sample, fewer sites are left to bind P-CaM kinase-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The P-CaM kinase concentration in each sample is interpolated from this standard curve.
Product Categories/Family for P-CaM kinase elisa kit	Signal Transduction

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://stage.aaabiotech.com/p-cam-kinase-mouse-elisa-kits/phosphorylated-ca2-calmodulin-dependent-protein-kinase/93753>