

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

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CATALOG # AAA96896	REACTIVITY Rat
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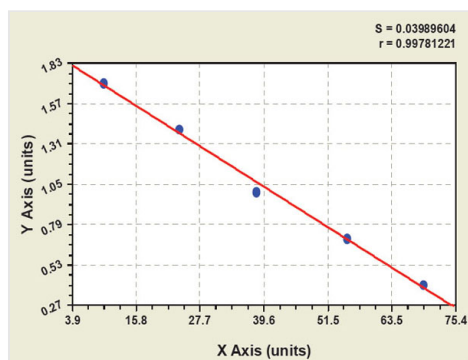
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This pCa+CAMK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat pCa+CAMK. This ELISA kit for research use only, not for therapeutic applications!
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

Principle of the assay: pCa+CAMK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-pCa+CAMK antibody and an pCa+CAMK-HRP conjugate. The assay sample and buffer are incubated together with pCa+CAMK-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 pCa+CAMK concentration since pCa+CAMK from samples and pCa+CAMK-HRP conjugate compete for the anti-pCa+CAMK antibody binding site. Since the number of sites is limited, as more sites are occupied by pCa+CAMK from the sample, fewer sites are left to bind pCa+CAMK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The pCa+CAMK concentration in each sample is interpolated from this standard curve.

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-rat-elisa-kits/phosphorylated-ca2-calmodulin-dependent-protein-kinase/96896>