

Rat Phospho Cyclic AMP Response Element Binding Protein ELISA Kit | p-CREB elisa kit

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CATALOG #
AAA247310

REACTIVITY
Rat

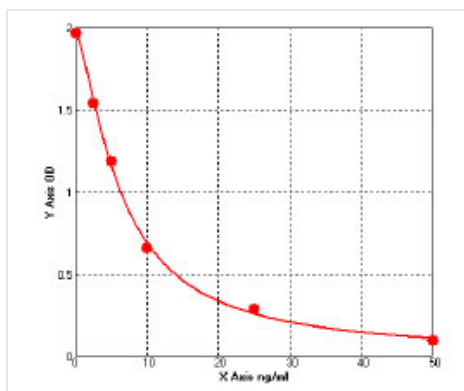
PRODUCT SYNONYMS

Phospho Cyclic AMP Response Element Binding Protein; Rat Phospho Cyclic AMP Response Element Binding Protein ELISA Kit; p-CREB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PCREB. No significant cross-reactivity or interference between PCREB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PCREB and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for p-CREB elisa kit	Principle of the Assay: PCREB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PCREB antibody and an PCREB-HRP conjugate. The assay sample and buffer are incubated together with PCREB-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 PCREB concentration since PCREB from samples and PCREB-HRP conjugate compete for the anti-PCREB antibody binding site. Since the number of sites is limited, as more sites are occupied by PCREB from the sample, fewer sites are left to bind PCREB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PCREB concentration in each sample is interpolated from this standard curve. Intended Uses: This PCREB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PCREB. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for p-CREB elisa kit	Epigenetics and Nuclear Signaling; Immunology

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-creb-rat-elisa-kits/phospho-cyclic-amp-response-element-binding-protein/247310>