

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

Rat Cyclic AMP Response Element Binding Protein ELISA Kit

CATALOG #
AAA86716

REACTIVITY
Rat

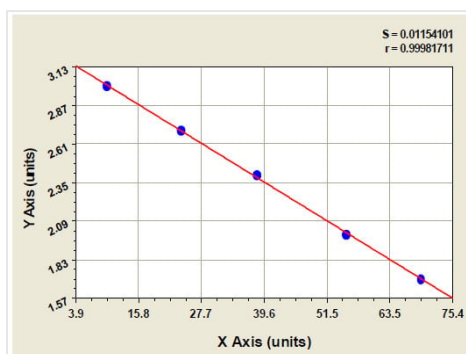
PRODUCT SYNONYMS

Cyclic AMP Response Element Binding Protein; Rat Cyclic AMP Response Element Binding Protein ELISA Kit; CREB 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 CREB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CREB. 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 CREB elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	33694240
NCBI GeneID	1385
Molecular Weight	25,445 Da
NCBI Official Full Name	CREB
NCBI Official Synonym Full Names	cAMP responsive element binding protein 1
NCBI Official Symbol	CREB1
NCBI Official Synonym Symbols	CREB
NCBI Protein Information	cyclic AMP-responsive element-binding protein 1; CREB-1; transactivator protein; active transcription factor CREB; cAMP-response element-binding protein-1; cAMP-responsive element-binding protein 1
UniProt Protein Name	Cyclic AMP-responsive element-binding protein 1
UniProt Gene Name	CREB1
UniProt Synonym Gene Names	CREB-1; cAMP-responsive element-binding protein 1
UniProt Entry Name	CREB1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/creb-rat-elisa-kits/cyclic-amp-response-element-binding-protein/86716>