

Mouse Cyclic AMP Response Element Binding Protein (CREB) ELISA Kit | CREB elisa kit

Mouse Cyclic AMP Response Element Binding Protein (CREB)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152539

REACTIVITY
Mouse

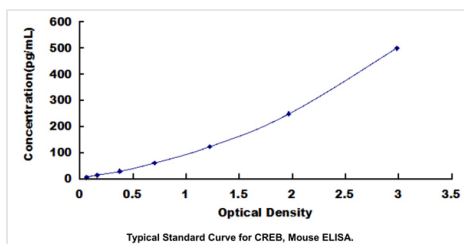
PRODUCT SYNONYMS

Cyclic AMP Response Element Binding Protein (CREB); Mouse Cyclic AMP Response Element Binding Protein (CREB)(Sandwich ELISA) ELISA Kit; ELISA Kit for Cyclic AMP Response Element Binding Protein (CREB); CREB1; CAMP Responsive Element Binding Protein 1; CREB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CREB. No significant cross-reactivity or interference between CREB and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	< 3.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CREB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CREB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CREB elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CREB. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CREB. 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 CREB, 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 CREB in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CREB in mouse tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19745144
NCBI GeneID	12912
NCBI Accession #	NP_034082.1
NCBI GenBank Nucleotide #	NM_009952.2
UniProt Accession #	Q01147
Molecular Weight	35,122 Da
NCBI Official Full Name	cyclic AMP-responsive element-binding protein 1 isoform B
NCBI Official Synonym Full Names	cAMP responsive element binding protein 1
NCBI Official Symbol	Creb1
NCBI Official Synonym Symbols	Creb; Creb-1; AV083133; 2310001E10Rik; 3526402H21Rik
NCBI Protein Information	cyclic AMP-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; CREB-1; cAMP-responsive element-binding protein 1
UniProt Entry Name	CREB1_MOUSE

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/mouse-elisa-kits/cyclic-amp-response-element-binding-protein-creb/152539>