

Mouse cAMP response element binding protein (CREB) ELISA Kit | CREB elisa kit

Mouse cAMP response element binding protein, CREB ELISA Kit

CATALOG #
AAA80861

REACTIVITY
Mouse

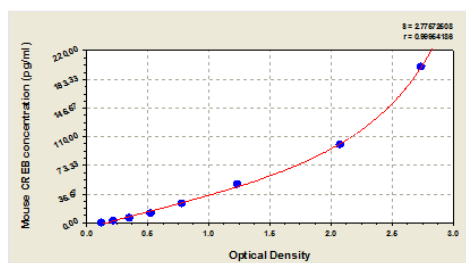
PRODUCT SYNONYMS

cAMP response element binding protein (CREB); Mouse cAMP response element binding protein; CREB ELISA Kit; Mouse cAMP response element binding protein (CREB) ELISA Kit; CREB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse CREB. No significant cross-reactivity or interference between Mouse CREB and analogues was observed.
Sequence Length	230
Samples	Serum, plasma, cell culture supernates
Detection Range	3.12 pg/ml-200 pg/ml
Sensitivity	0.78 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CREB elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CREB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for CREB and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. 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 a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of CREB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33694240
NCBI GeneID	1385
UniProt Accession #	P16220; P21934; Q6V963; Q9UMA7
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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/camp-response-element-binding-protein-creb/80861>