

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

Mouse Cyclic AMP Response Element Binding Protein ELISA Kit

CATALOG #
AAA98623

REACTIVITY
Mouse

PRODUCT SYNONYMS

Cyclic AMP Response Element Binding Protein; Mouse Cyclic AMP Response Element Binding Protein ELISA Kit; CREB/Creb1/CREB/active transcription factor CREB/cAMP responsive element binding protein 1/cAMP-response element-binding protein-1/cAMP-responsive element-binding protein 1/CREB-1/MGC9284/transactivator protein; 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.
Sequence Length	281
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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<8%
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<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a CREB ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.176	0.239	0.348	0.518	0.79	1.368	1.937	2.571

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CREB elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CREB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- CREB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the CREB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CREB can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	665392212
NCBI GeneID	32817
NCBI Accession #	NP_001097016.2
NCBI GenBank Nucleotide #	NM_001103546.3
NCBI Official Full Name	Cyclic-AMP response element binding protein B, isoform P
NCBI Official Synonym Full Names	Cyclic-AMP response element binding protein B
NCBI Official Symbol	CrebB
NCBI Official Synonym Symbols	CG6103; CRE-BP; Creb; CREB; Creb B 17A; CREB-b; CREB-B; Creb17A; Creb2; CREB2; Creb2-b; Creb2.b; CREB2a; Creb2b; CREB2b; CrebB-17A; CrebB-17B; CrebB17-A; dCbz; dCREB; dCREB-2; dCREB-2a; dCREB-B; dCreb2; dCREB2; dCREB2-a; dcreb2-b; dCreb2-b; dCREB2-b; dCRE
NCBI Protein Information	CG6103 gene product from transcript CG6103-RP

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-mouse-elisa-kits/cyclic-amp-response-element-binding-protein/98623>