

Human Cyclic AMP responsive element binding protein 5 (CREB5) ELISA Kit | CREB5 elisa kit

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CATALOG #
AAA244988

REACTIVITY
Human

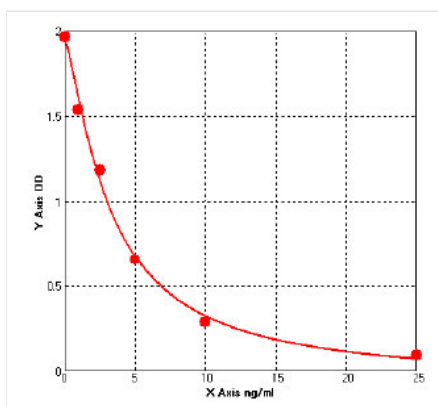
PRODUCT SYNONYMS

Cyclic AMP responsive element binding protein 5 (CREB5); Human Cyclic AMP responsive element binding protein 5 (CREB5) ELISA Kit; CREB5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CREB5. No significant cross-reactivity or interference between CREB5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CREB5 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 all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CREB5 elisa kit	Principle of the Assay: CREB5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CREB5 antibody and an CREB5-HRP conjugate. The assay sample and buffer are incubated together with CREB5-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 CREB5 concentration since CREB5 from samples and CREB5-HRP conjugate compete for the anti-CREB5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CREB5 from the sample, fewer sites are left to bind CREB5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CREB5 concentration in each sample is interpolated from this standard curve. Intended Uses: This CREB5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CREB5. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CREB5 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	334302918
NCBI GeneID	9586
Molecular Weight	41,161 Da
NCBI Official Full Name	Cyclic AMP-responsive element-binding protein 5
NCBI Official Synonym Full Names	cAMP responsive element binding protein 5
NCBI Official Symbol	CREB5
NCBI Official Synonym Symbols	CRE-BPA
NCBI Protein Information	cyclic AMP-responsive element-binding protein 5; CREB-5; H_GS165L15.1; cAMP-responsive element-binding protein 5; cAMP response element binding protein CRE-Bpa; cAMP response element-binding protein CRE-BPa; cAMP responsive element binding protein 5 isoform alpha
UniProt Protein Name	Cyclic AMP-responsive element-binding protein 5
UniProt Gene Name	CREB5
UniProt Synonym Gene Names	CREBPA; CREB-5; cAMP-responsive element-binding protein 5
UniProt Entry Name	CREB5_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/human-elisa-kits/cyclic-amp-responsive-element-binding-protein-5-creb5/244988>