

Human Cyclic AMP dependent transcription factor ATF 4 (ATF4) ELISA Kit | ATF4 elisa kit

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CATALOG #
AAA244712

REACTIVITY
Human

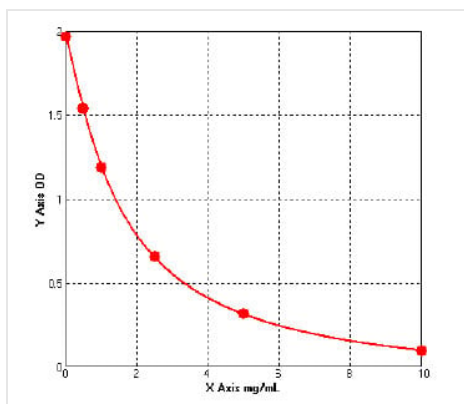
PRODUCT SYNONYMS

Cyclic AMP dependent transcription factor ATF 4 (ATF4); Human Cyclic AMP dependent transcription factor ATF 4 (ATF4) ELISA Kit; ATF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATF4. No significant cross-reactivity or interference between ATF4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATF4 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 ATF4 elisa kit	Intended Uses: This ATF4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanATF4. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ATF4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATF4 antibody and an ATF4-HRP conjugate. The assay sample and buffer are incubated together with ATF4-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 ATF4 concentration since ATF4 from samples and ATF4-HRP conjugate compete for the anti-ATF4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATF4 from the sample, fewer sites are left to bind ATF4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATF4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ATF4 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	116241262
NCBI GeneID	468
Molecular Weight	38,590 Da
NCBI Official Full Name	Cyclic AMP-dependent transcription factor ATF-4
NCBI Official Synonym Full Names	activating transcription factor 4
NCBI Official Symbol	ATF4
NCBI Official Synonym Symbols	CREB2; TXREB; CREB-2; TAXREB67
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-4; DNA-binding protein TAXREB67; tax-responsive enhancer element B67; cAMP response element-binding protein 2; cAMP-dependent transcription factor ATF-4; cAMP-responsive element-binding protein 2; cyclic AMP-responsive element-binding protein 2; tax-responsive enhancer element-binding protein 67
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-4
UniProt Gene Name	ATF4
UniProt Synonym Gene Names	CREB2; TXREB; cAMP-dependent transcription factor ATF-4; CREB-2; cAMP-responsive element-binding protein 2; TaxREB67
UniProt Entry Name	ATF4_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-dependent-transcription-factor-atf-4-atf4/244712>