

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

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CATALOG #
AAA244984

REACTIVITY
Mouse

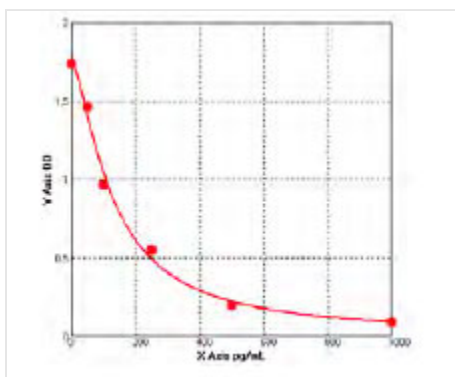
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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 AST ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse AST. This ELISA kit for research use only!

Principle of the Assay: AST ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AST antibody and an AST-HRP conjugate. The assay sample and buffer are incubated together with AST-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 AST concentration since AST from samples and AST-HRP conjugate compete for the anti-AST antibody binding site. Since the number of sites is limited, as more sites are occupied by AST from the sample, fewer sites are left to bind AST-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AST concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33469976
NCBI GeneID	468
NCBI Accession #	NP_001666.2
NCBI GenBank Nucleotide #	NM_001675.4
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.

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-dependent-transcription-factor-atf-4-atf4/244984>