

Human Activating Transcription Factor 4 (ATF4) ELISA Kit | ATF4 elisa kit

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CATALOG #
AAA184658

REACTIVITY
Human

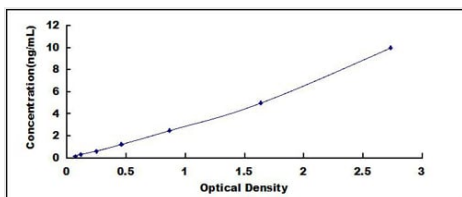
PRODUCT SYNONYMS

Activating Transcription Factor 4 (ATF4); Human Activating Transcription Factor 4 (ATF4) ELISA Kit; TAXREB67; TXREB; CREB-2; DNA-binding protein TAXREB67; Cyclic AMP-responsive element-binding protein 2; Tax-responsive enhancer element-binding protein 67; ATF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Activating Transcription Factor 4 (ATF4). No significant cross-reactivity or interference between Activating Transcription Factor 4 (ATF4) and analogues was observed.
Sequence Length	342
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Activating Transcription Factor 4 (ATF4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Activating Transcription Factor 4 (ATF4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATF4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Activating Transcription Factor 4 (ATF4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Activating Transcription Factor 4 (ATF4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Activating Transcription Factor 4 (ATF4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Activating Transcription Factor 4 (ATF4) 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 #	148236422
NCBI GeneID	734165
NCBI Accession #	NP_001089140.1
NCBI GenBank Nucleotide #	NM_001095671.1
NCBI Official Full Name	activating transcription factor 4 S homeolog
NCBI Official Synonym Full Names	activating transcription factor 4 S homeolog
NCBI Official Symbol	atf4.S
NCBI Official Synonym Symbols	atf-4; creb2; txreb; ATF4-l; atf4-a; atf4-b; creb-2; atf4-ii; taxreb67
NCBI Protein Information	activating transcription factor 4 S homeolog

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/human-elisa-kits/activating-transcription-factor-4-atf4/184658>