

Human Activating Transcription Factor 4 ELISA Kit | ATF-4 elisa kit

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CATALOG #
AAA99854

REACTIVITY
Human

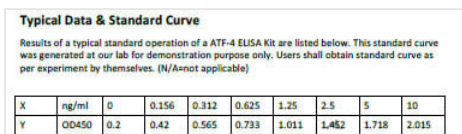
PRODUCT SYNONYMS

Activating Transcription Factor 4; Human Activating Transcription Factor 4 ELISA Kit; ATF-4/TAXREB67/TXREB/Activating transcription factor 4/activating transcription factor 4 (tax-responsive enhancer element B67)/cAMP-dependent transcription factor ATF-4/cAMP-responsive element-binding protein 2/CREB-2DNA-binding protein TAXREB67/cyclic AMP-dependent transcription factor ATF-4/Cyclic AMP-responsive element-binding protein 2/TaxREB67/TAXREB67CREB2cAMP response element-binding protein 2/Tax-responsive enhancer element-binding protein 67/TXREB; ATF-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATF-4. No significant cross-reactivity or interference between ATF-4 and analogues was observed.
Sequence Length	342
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 ATF- 4 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 ATF- 4 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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATF-4 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ATF-4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- ATF-4 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 ATF-4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ATF-4 can be calculated.

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
NCBI Official Synonym Full Names	activating transcription factor 4
NCBI Official Symbol	atf4-b
NCBI Official Synonym Symbols	atf-4; creb2; txreb; creb-2; atf4-ii; taxreb67
NCBI Protein Information	activating transcription factor 4

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/atf-4-human-elisa-kits/activating-transcription-factor-4/99854>