

Mouse Activating Transcription Factor 3 (ATF3) ELISA Kit | ATF3 elisa kit

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CATALOG #
AAA13897

REACTIVITY
Mouse

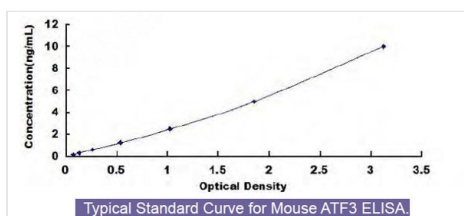
PRODUCT SYNONYMS

Activating Transcription Factor 3 (ATF3); Mouse Activating Transcription Factor 3 (ATF3) ELISA Kit; Cyclic AMP-dependent Transcription Factor ATF3; ATF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATF3. No significant cross-reactivity or interference between ATF3 and analogues was observed.
Sequence Length	181
Samples	Mouse tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.063ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATF3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ATF3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATF3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ATF3 in mouse tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATF3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ATF3. 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 ATF3, 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 ATF3 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 #	31542154
NCBI GeneID	11910
NCBI Accession #	NP_031524.2
NCBI GenBank Nucleotide #	NM_007498.3
UniProt Accession #	Q60765
Molecular Weight	20,722 Da
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-3
NCBI Official Synonym Full Names	activating transcription factor 3
NCBI Official Symbol	Atf3
NCBI Official Synonym Symbols	LRG-21
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-3
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-3
UniProt Gene Name	Atf3
UniProt Synonym Gene Names	cAMP-dependent transcription factor ATF-3

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/activating-transcription-factor-3-atf3/13897>