

Mouse Activating Transcription Factor 6 ELISA Kit | ATF6 elisa kit

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CATALOG #
AAA82241

REACTIVITY
Mouse

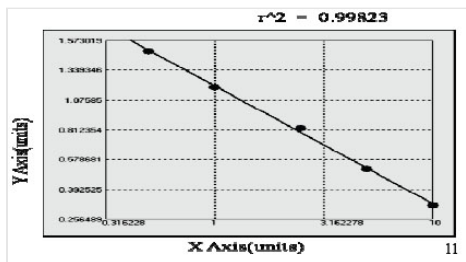
PRODUCT SYNONYMS

Activating Transcription Factor 6; Mouse Activating Transcription Factor 6 ELISA Kit; ATF6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ATF-6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ATF-6. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATF6 elisa kit

Principle of the assay: ATF-6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ATF-6 antibody and an ATF-6-HRP conjugate. The assay sample and buffer are incubated together with ATF-6-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 ATF-6 concentration since ATF-6 from samples and ATF-6-HRP conjugate compete for the anti-ATF-6 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATF-6 from the sample, fewer sites are left to bind ATF-6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATF-6 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ATF6 elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2245630
NCBI GeneID	22926
Molecular Weight	74,585 Da
NCBI Official Full Name	ATF6
NCBI Official Synonym Full Names	activating transcription factor 6
NCBI Official Symbol	ATF6
NCBI Official Synonym Symbols	ATF6A
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-6 alpha; cAMP-dependent transcription factor ATF-6 alpha
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-6 alpha
UniProt Gene Name	ATF6
UniProt Synonym Gene Names	cAMP-dependent transcription factor ATF-6 alpha; ATF6-alpha
UniProt Entry Name	ATF6A_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/atf6-mouse-elisa-kits/activating-transcription-factor-6/82241>