

Mouse Activating Transcription Factor 3 ELISA Kit | ATF3 elisa kit

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CATALOG #
AAA83020

REACTIVITY
Mouse

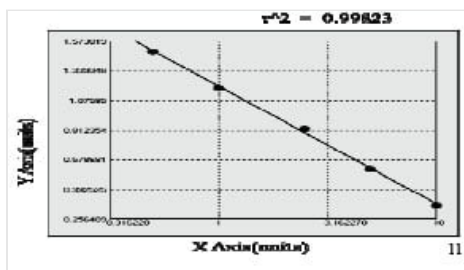
PRODUCT SYNONYMS

Activating Transcription Factor 3; Mouse Activating Transcription Factor 3 ELISA Kit; ATF3 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATF3 elisa kit

Intended Uses: This ATF-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ATF-3. This ELISA kit for research use only!

Principle of the Assay: ATF-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ATF-3 antibody and an ATF-3-HRP conjugate. The assay sample and buffer are incubated together with ATF-3-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-3 concentration since ATF-3 from samples and ATF-3-HRP conjugate compete for the anti-ATF-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATF-3 from the sample, fewer sites are left to bind ATF-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATF-3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ATF3 elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	47496615
NCBI GeneID	467
UniProt Accession #	Q6ICQ9; Q5VTZ2; Q7Z566; Q8WYM6; P18847
Molecular Weight	14,314 Da
NCBI Official Full Name	ATF3, partial
NCBI Official Synonym Full Names	activating transcription factor 3
NCBI Official Symbol	ATF3
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-3; cAMP-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
UniProt Entry Name	ATF3_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/atf3-mouse-elisa-kits/activating-transcription-factor-3/83020>