

Rat Activating Transcription Factor 3 ELISA Kit | ATF3 elisa kit

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CATALOG #
AAA16111

REACTIVITY
Rat

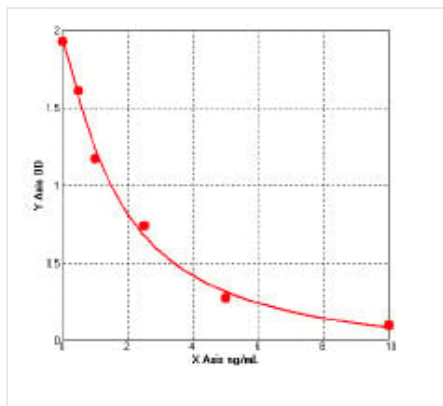
PRODUCT SYNONYMS

Activating Transcription Factor 3; Rat Activating Transcription Factor 3 ELISA Kit; ATF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATF3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/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	Principle of the Assay: ATF3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATF3 antibody and an ATF3-HRP conjugate. The assay sample and buffer are incubated together with ATF3-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 ATF3 concentration since ATF3 from samples and ATF3-HRP conjugate compete for the anti-ATF3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATF3 from the sample, fewer sites are left to bind ATF3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATF3 concentration in each sample is interpolated from this standard curve. Intended Uses: This ATF3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ATF3. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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-rat-elisa-kits/activating-transcription-factor-3/16111>