

Sheep Activating Transcription Factor 4 ELISA Kit | ATF4 elisa kit

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CATALOG # AAA94569	REACTIVITY Sheep
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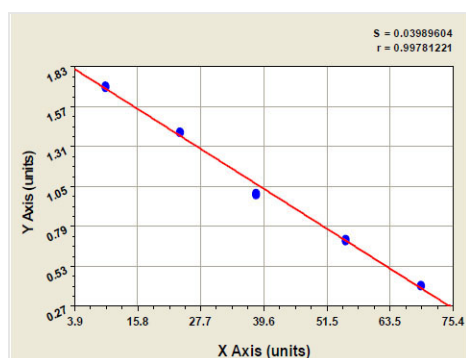
PRODUCT SYNONYMS

Activating Transcription Factor 4; Sheep Activating Transcription Factor 4 ELISA Kit; ATF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ATF4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ATF4. 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 ATF4 elisa kit	Principle of the assay: ATF4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ATF4 antibody and an ATF4-HRP conjugate. The assay sample and buffer are incubated together with ATF4-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 ATF4 concentration since ATF4 from samples and ATF4-HRP conjugate compete for the anti-ATF4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATF4 from the sample, fewer sites are left to bind ATF4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATF4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ATF4 elisa kit	Epigenetics and Nuclear Signaling

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; Activating Transcription Factor 4 -II; activating transcription factor 4 (tax-responsive enhancer element B67)

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/atf4-sheep-elisa-kits/activating-transcription-factor-4/94569>