

## Human Activating Transcription Factor 3 ELISA Kit | ATF3 elisa kit

Human Activating Transcription Factor 3 ELISA Kit

CATALOG #  
**AAA16673**

REACTIVITY  
**Human**

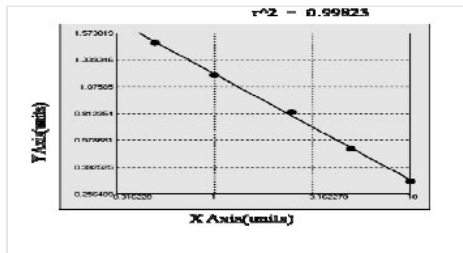
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 5-100ng/mL                                                                 |
| Sensitivity             | 1.0ng/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 ATF3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATF3. This ELISA kit for research use only!

**Principle of the Assay:** ATF3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

#### 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                | <b>ATF3</b>                                                                                |
| 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-human-elisa-kits/activating-transcription-factor-3/16673>