

## Human Antithrombin receptor ELISA Kit | ATR elisa kit

Human Antithrombin receptor ELISA Kit

CATALOG #  
**AAA87901**

REACTIVITY  
**Human**

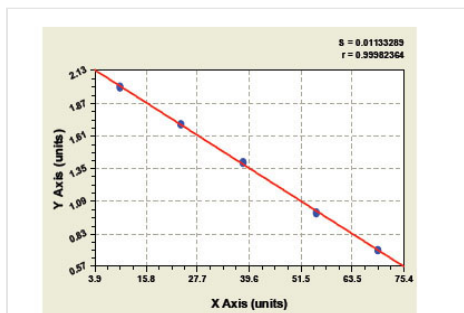
### PRODUCT SYNONYMS

Antithrombin receptor; Human Antithrombin receptor ELISA Kit; ATR elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                           |
| Assay Type              | Competitive                                                                                                                                                                          |
| Detection Range         | 5.0-100ng/mL                                                                                                                                                                         |
| Sensitivity             | 1.0ng/mL                                                                                                                                                                             |
| Intended Uses           | This ATR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATR. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                  |

### IMAGES



### ADDITIONAL INFORMATION

Related Product Information for ATR elisa kit

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

Product Categories/Family for ATR elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1653996                                                                                                                                                |
| NCBI GeneID                      | 545                                                                                                                                                    |
| UniProt Accession #              | Q13535; Q59HB2; Q7KYL3; Q93051; Q9BXX4                                                                                                                 |
| Molecular Weight                 | 297,479 Da                                                                                                                                             |
| NCBI Official Full Name          | atr                                                                                                                                                    |
| NCBI Official Synonym Full Names | ATR serine/threonine kinase                                                                                                                            |
| NCBI Official Symbol             | ATR                                                                                                                                                    |
| NCBI Official Synonym Symbols    | FRP1; MEC1; SCKL; FCTCS; SCKL1                                                                                                                         |
| NCBI Protein Information         | serine/threonine-protein kinase ATR; FRAP-related protein-1; MEC1, mitosis entry checkpoint 1, homolog; ataxia telangiectasia and Rad3-related protein |
| UniProt Protein Name             | Serine/threonine-protein kinase ATR                                                                                                                    |
| UniProt Gene Name                | ATR                                                                                                                                                    |
| UniProt Synonym Gene Names       | FRP1                                                                                                                                                   |
| UniProt Entry Name               | ATR_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/atr-human-elisa-kits/antithrombin-receptor/87901>