

## Rat Androgen Receptor ELISA Kit | AR elisa kit

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CATALOG #  
**AAA85420**

REACTIVITY  
**Rat**

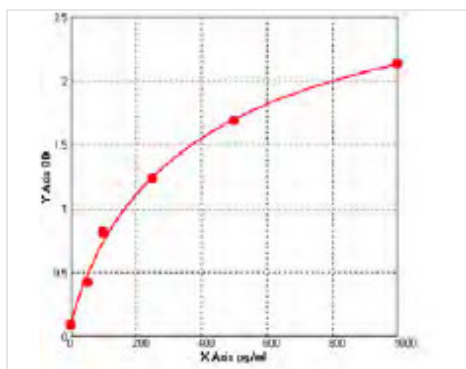
### PRODUCT SYNONYMS

Androgen Receptor; Rat Androgen Receptor ELISA Kit; AR elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive or Sandwich                                       |
| Sensitivity             | 1.0 pg/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for AR elisa kit

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

**Principle of the Assay:** AR ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for AR. Standards or samples are then added to the microtiter plate wells and AR if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of AR present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for AR are added to each well to "sandwich" the AR immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain AR and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AR concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">178882</a>                                                                                                              |
| NCBI GeneID                      | <a href="#">367</a>                                                                                                                 |
| Molecular Weight                 | 44,643 Da                                                                                                                           |
| NCBI Official Full Name          | androgen receptor                                                                                                                   |
| NCBI Official Synonym Full Names | androgen receptor                                                                                                                   |
| NCBI Official Symbol             | AR                                                                                                                                  |
| NCBI Official Synonym Symbols    | KD; AIS; TFM; DHTR; SBMA; HYSPI; NR3C4; SMAX1; HUMARA                                                                               |
| NCBI Protein Information         | androgen receptor; dihydrotestosterone receptor; androgen nuclear receptor variant 2; nuclear receptor subfamily 3 group C member 4 |
| UniProt Protein Name             | Androgen receptor                                                                                                                   |
| UniProt Gene Name                | <b>AR</b>                                                                                                                           |
| UniProt Synonym Gene Names       | DHTR; NR3C4                                                                                                                         |
| UniProt Entry Name               | ANDR_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://www.aaabiotech.com/ar-rat-elisa-kits/androgen-receptor/85420>