

## Porcine Estradiol receptor ELISA Kit | ER elisa kit

Porcine Estradiol receptor ELISA Kit

CATALOG #  
**AAA97441**

REACTIVITY  
**Porcine**

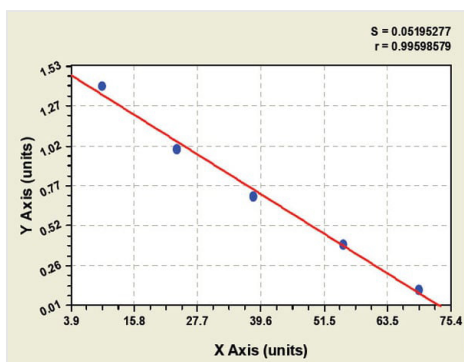
### PRODUCT SYNONYMS

Estradiol receptor; Porcine Estradiol receptor ELISA Kit; ER elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                              |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                           |
| Assay Type              | Competitive                                                                                                                                                                          |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                           |
| Intended Uses           | This ER ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine ER. 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 ER elisa kit

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

#### Product Categories/Family for ER elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 170295804                                                                                                                                                                                                |
| NCBI GeneID                      | 2099                                                                                                                                                                                                     |
| NCBI Accession #                 | NP_001116214.1                                                                                                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_001122742.1                                                                                                                                                                                           |
| Molecular Weight                 | 35,547 Da                                                                                                                                                                                                |
| NCBI Official Full Name          | estrogen receptor isoform 1                                                                                                                                                                              |
| NCBI Official Synonym Full Names | estrogen receptor 1                                                                                                                                                                                      |
| NCBI Official Symbol             | ESR1                                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | ER; ESR; Era; ESRA; ESTRR; NR3A1                                                                                                                                                                         |
| NCBI Protein Information         | estrogen receptor; ER-alpha; estradiol receptor; estrogen nuclear receptor alpha; estrogen receptor alpha E1-E2-1-2; estrogen receptor alpha E1-N2-E2-1-2; nuclear receptor subfamily 3 group A member 1 |
| UniProt Protein Name             | Estrogen receptor                                                                                                                                                                                        |
| UniProt Gene Name                | <b>ESR1</b>                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | ESR; NR3A1; ER                                                                                                                                                                                           |
| UniProt Entry Name               | ESR1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/er-porcine-elisa-kits/estradiol-receptor/97441>