

## Mouse Estrogen Receptor Alpha (ERa) ELISA Kit | ERa elisa kit

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CATALOG #  
**AAA184304**

REACTIVITY  
**Mouse**

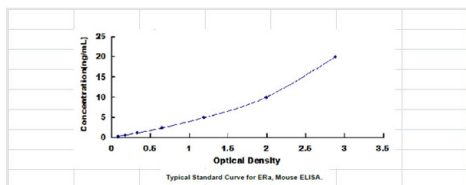
### PRODUCT SYNONYMS

Estrogen Receptor Alpha (ERa); Mouse Estrogen Receptor Alpha (ERa) ELISA Kit; ER-A1; ER; ESR; ESR1; ESRA; NR3A1; NR3-A1; Estrogen Receptor 1; Nuclear Receptor Subfamily 3; Group A; Member 1; ERa elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of ERa. No significant cross-reactivity or interference between ERa and analogues was observed.                                                                                                                                                                                                                                                                                                                    |
| Sequence Length         | 312                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Samples                 | Mouse tissue homogenates, cell lysates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Detection Range         | 0.312-20ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity             | < 0.122ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ERa were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ERa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                    |
| Preparation and Storage | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ERa elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ERa in mouse tissue homogenates, cell lysates and other biological fluids.</p> <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ERa. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ERa. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ERa, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ERa in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 5821726                          |
| NCBI GeneID                      | 2099                             |
| Molecular Weight                 | 35,547 Da                        |
| NCBI Official Full Name          | estrogen receptor alpha, partial |
| 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                |
| UniProt Protein Name             | Estrogen receptor                |
| UniProt Gene Name                | ESR1                             |
| UniProt Synonym Gene Names       | ESR; NR3A1; ER                   |

**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/mouse-elisa-kits/estrogen-receptor-alpha-era/184304>