

## Mouse Aromatase (ARO) ELISA Kit | ARO elisa kit

Mouse Aromatase (ARO) ELISA Kit

|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA68501</b> | REACTIVITY<br><b>Mouse</b> |
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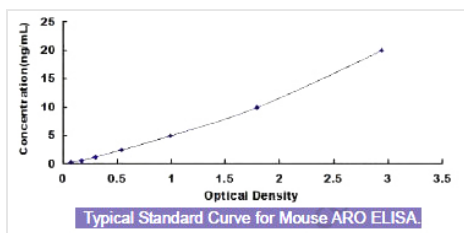
### PRODUCT SYNONYMS

Aromatase (ARO); Mouse Aromatase (ARO) ELISA Kit; CYP19A1; CYPXIX; ARO; ARO1; CPV1; CYAR; CYP19; P450AROM; P450-AROM; Estrogen synthase; Cytochrome P450; Family 19; Subfamily A; Polypeptide 1; ARO elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Mouse                                                                                                                                                                                                   |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of ARO. No significant cross-reactivity or interference between ARO and analogues was observed.                                 |
| Sequence Length       | 503                                                                                                                                                                                                     |
| Samples               | Serum, plasma, tissue homogenates or other biological fluids                                                                                                                                            |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                   |
| Detection Range       | 0.312-20ng/mL                                                                                                                                                                                           |
| Sensitivity           | <0.117ng/mL.                                                                                                                                                                                            |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ARO 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 ARO were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Related Product Information for ARO elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ARO in mouse serum, plasma, tissue homogenates or other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ARO. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ARO. 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 ARO, 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 ARO 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 #                        | 1131345323                                             |
| NCBI GeneID                      | 13075                                                  |
| NCBI Accession #                 | NP_001335100.1                                         |
| NCBI GenBank Nucleotide #        | NM_001348171.1                                         |
| UniProt Accession #              | P28649                                                 |
| Molecular Weight                 | 58,015 Da                                              |
| NCBI Official Full Name          | aromatase                                              |
| NCBI Official Synonym Full Names | cytochrome P450, family 19, subfamily a, polypeptide 1 |
| NCBI Official Symbol             | Cyp19a1                                                |
| NCBI Official Synonym Symbols    | Ar; ArKO; Int5; Cyp19; Int-5; p450arom                 |
| NCBI Protein Information         | aromatase                                              |
| UniProt Protein Name             | Aromatase                                              |
| UniProt Gene Name                | Cyp19a1                                                |
| UniProt Synonym Gene Names       | Arom; Cyp19                                            |

**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.