

Mouse cytochrome P450, family 19, subfamily A, polypeptide 1 ELISA Kit | CYP19A1 elisa kit

Mouse Aromatase, ARO ELISA Kit

CATALOG #
AAA79554

REACTIVITY
Mouse

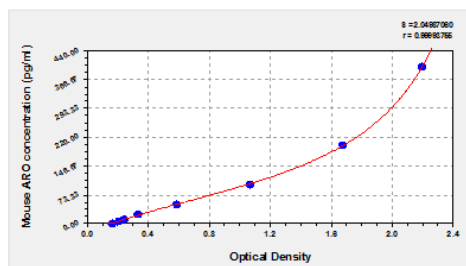
PRODUCT SYNONYMS

cytochrome P450; family 19; subfamily A; polypeptide 1; Mouse Aromatase; ARO ELISA Kit; Mouse Aromatase (ARO) ELISA Kit; ARO; ARO1; CPV1; CYAR; CYP19; MGC104309; P-450AROM; OTTHUMP00000162543; aromatase; subfamily XIX (aromatization of androgens) ; estrogen synthetase; flavoprotein-linked monooxygenase; mic; CYP19A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse ARO. No significant cross-reactivity or interference between mouse ARO and analogues was observed.
Sequence Length	503
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	6.25 pg/ml-400 pg/ml.
Sensitivity	The minimum detectable dose of mouse ARO is typically less than 1.56 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP19A1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ARO has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ARO present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ARO is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ARO bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6681099
NCBI GeneID	13075
NCBI Accession #	NP_031836.1
NCBI GenBank Nucleotide #	NM_007810.3
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; CYPXIX; estrogen synthase; cytochrome P-450AROM; cytochrome P450 19A1; cytochrome P450, 19, aromatase
UniProt Protein Name	Aromatase
UniProt Gene Name	Cyp19a1
UniProt Synonym Gene Names	Arom; Cyp19
UniProt Entry Name	CP19A_MOUSE

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/cyp19a1-mouse-elisa-kits/cytochrome-p450-family-19-subfamily-a-polypeptide-1/79554>