

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

Rat Cytochrome P450 19A1, CYP19A1 ELISA Kit

CATALOG #
AAA112845

REACTIVITY
Rat

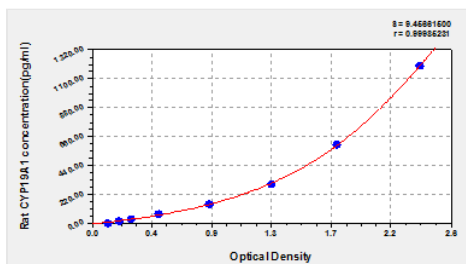
PRODUCT SYNONYMS

cytochrome P450; family 19; subfamily A; polypeptide 1; Rat Cytochrome P450 19A1; CYP19A1 ELISA Kit; Rat Cytochrome P450 19A1 (CYP19A1) 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat CYP19A1. No significant cross-reactivity or interference between Rat CYP19A1 and analogues was observed.
Sequence Length	503
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	18.75 pg/ml-1200 pg/ml
Sensitivity	4.68 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
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 CYP19A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CYP19A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CYP19A1 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 CYP19A1 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 #	283135134
NCBI GeneID	100328545
NCBI Accession #	NP_001164392.1
NCBI GenBank Nucleotide #	NM_001170921.2
UniProt Accession #	Q29605
Molecular Weight	57,402 Da
NCBI Official Full Name	aromatase
NCBI Official Symbol	CYP19A1
NCBI Protein Information	aromatase; CYPXIX; P-450AROM; estrogen synthase; estrogen synthetase; cytochrome P-450AROM; cytochrome P450 19A1
UniProt Protein Name	Aromatase
UniProt Gene Name	CYP19A1
UniProt Synonym Gene Names	CYP19
UniProt Entry Name	CP19A_RABIT

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-rat-elisa-kits/cytochrome-p450-family-19-subfamily-a-polypeptide-1/112845>