

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

Human Cytochrome P450 19A1, CYP19A1 ELISA Kit

CATALOG #
AAA18337

REACTIVITY
Human

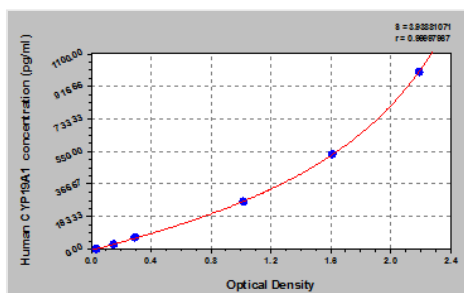
PRODUCT SYNONYMS

cytochrome P450; family 19; subfamily A; polypeptide 1; Human Cytochrome P450 19A1; CYP19A1 ELISA Kit; Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CYP19A1. No significant cross-reactivity or interference between human CYP19A1 and analogues was observed.
Sequence Length	503
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	26.7 pg/ml -1000 pg/ml.
Sensitivity	The minimum detectable dose of human CYP19A1 is typically less than 6.7 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest human CYP19A1 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%<15%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. 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 CYP19A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells with a Horseradish Peroxidase (HRP) conjugated antibody specific for CYP19A1. Following a wash to remove any unbound 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 #	13904858
NCBI GeneID	1588
NCBI Accession #	NP_000094.2
NCBI GenBank Nucleotide #	NM_000103.3
UniProt Accession #	P11511; Q16731; Q3B764; Q58FA0; Q8IYJ7
Molecular Weight	57,883 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	ARO; ARO1; CPV1; CYAR; CYP19; CYPXIX; P-450AROM
NCBI Protein Information	aromatase; estrogen synthase; estrogen synthetase; cytochrome P-450AROM; cytochrome P450 19A1; microsomal monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily XIX (aromatization of androgens)
UniProt Protein Name	Aromatase
UniProt Gene Name	CYP19A1
UniProt Synonym Gene Names	ARO1; CYAR; CYP19
UniProt Entry Name	CP19A_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.

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Online datasheet: <https://stage.aaabiotech.com/cyp19a1-human-elisa-kits/cytochrome-p450-family-19-subfamily-a-polypeptide-1/18337>