

Mouse Cytochrome P450, Family 19, Subfamily A, Polypeptide 1 ELISA Kit | CYP19A1 elisa kit

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CATALOG # AAA94011	REACTIVITY Mouse
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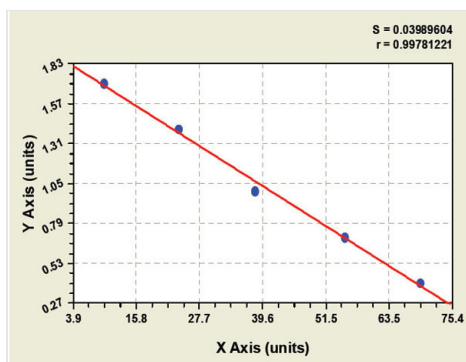
PRODUCT SYNONYMS

Cytochrome P450; Family 19; Subfamily A; Polypeptide 1; Mouse Cytochrome P450; Polypeptide 1 ELISA Kit; CYP19A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This CYP19A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CYP19A1. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP19A1 elisa kit	Principle of the Assay: CYP19A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CYP19A1 antibody and an CYP19A1-HRP conjugate. The assay sample and buffer are incubated together with CYP19A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CYP19A1 concentration since CYP19A1 from samples and CYP19A1-HRP conjugate compete for the anti-CYP19A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP19A1 from the sample, fewer sites are left to bind CYP19A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP19A1 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13904860
NCBI GeneID	1588
NCBI Accession #	NP_112503.1
NCBI GenBank Nucleotide #	NM_031226.2
Molecular Weight	24,518 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-mouse-elisa-kits/cytochrome-p450-family-19-subfamily-a-polypeptide-1/94011>