

Mouse Cytochrome P450 11A1 (CYP11A1) ELISA Kit | CYP11A1 elisa kit

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CATALOG #
AAA68539

REACTIVITY
Mouse

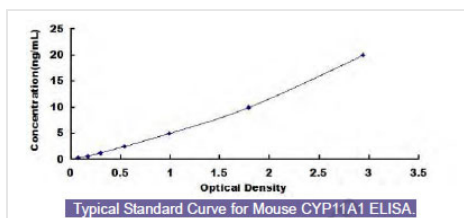
PRODUCT SYNONYMS

Cytochrome P450 11A1 (CYP11A1); Mouse Cytochrome P450 11A1 (CYP11A1) ELISA Kit; CYP11A; P450SCC; Cholesterol desmolase; Cholesterol Side Chain Cleavage Enzyme; Cytochrome P450 Family 11 Subfamily A Polypeptide 1; CYP11A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP11A1. No significant cross-reactivity or interference between CYP11A1 and analogues was observed.
Sequence Length	526
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.133ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYP11A1 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 CYP11A1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP11A1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CYP11A1 in mouse tissue homogenates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CYP11A1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CYP11A1. 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 CYP11A1, 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 CYP11A1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148747566
NCBI GeneID	13070
NCBI Accession #	NP_062753.3
NCBI GenBank Nucleotide #	NM_019779.4
UniProt Accession #	Q9QZ82
Molecular Weight	60,315 Da
NCBI Official Full Name	cholesterol side-chain cleavage enzyme, mitochondrial isoform 1
NCBI Official Synonym Full Names	cytochrome P450, family 11, subfamily a, polypeptide 1
NCBI Official Symbol	Cyp11a1
NCBI Official Synonym Symbols	Scs; cscc; Cyp11a; Cypxia1; P450scs; D9Ert411e
NCBI Protein Information	cholesterol side-chain cleavage enzyme, mitochondrial
UniProt Protein Name	Cholesterol side-chain cleavage enzyme, mitochondrial
UniProt Gene Name	Cyp11a1
UniProt Synonym Gene Names	Cyp11a

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://www.aaabiotech.com/mouse-elisa-kits/cytochrome-p450-11a1-cyp11a1/68539>