

Rat Cytochrome P450 11A1 (CYP11A1) RTU ELISA Kit | CYP11A1 rtu elisa kit

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CATALOG # AAA70105	REACTIVITY Rat
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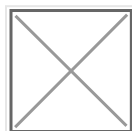
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	Rat tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.064ng/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%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP11A1 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CYP11A1 in rat 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8393224
NCBI GeneID	29680
NCBI Accession #	NP_058982.1
NCBI GenBank Nucleotide #	NM_017286.3
UniProt Accession #	P14137; Q5FWY8; Q6LDR9
Molecular Weight	60,586 Da
NCBI Official Full Name	cholesterol side-chain cleavage enzyme, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450, family 11, subfamily a, polypeptide 1
NCBI Official Symbol	Cyp11a1
NCBI Official Synonym Symbols	Cyp11a; Cypxia1; P450scc; P450(scc)
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; Cyp11a-1

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/rat-rtu-elisa-kits/cytochrome-p450-11a1-cyp11a1/70105>