

Mouse Cytochrome P450 11B1 (CYP11B1) ELISA Kit | CYP11B1 elisa kit

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CATALOG #
AAA67483

REACTIVITY
Mouse

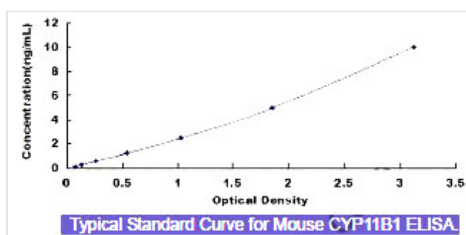
PRODUCT SYNONYMS

Cytochrome P450 11B1 (CYP11B1); Mouse Cytochrome P450 11B1 (CYP11B1) ELISA Kit; CYP11B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP11B1. No significant cross-reactivity or interference between CYP11B1 and analogues was observed.
Sequence Length	501
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	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 CYP11B1 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 CYP11B1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP11B1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CYP11B1 in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CYP11B1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CYP11B1. 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 CYP11B1, 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 CYP11B1 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 #	269914148
NCBI GeneID	110115
NCBI Accession #	NP_001028401.2
NCBI GenBank Nucleotide #	NM_001033229.3
UniProt Accession #	Q3TG86
Molecular Weight	57,747 Da
NCBI Official Full Name	cytochrome P450, family 11, subfamily b, polypeptide 1
NCBI Official Synonym Full Names	cytochrome P450, family 11, subfamily b, polypeptide 1
NCBI Official Symbol	Cyp11b1
NCBI Official Synonym Symbols	FHI; CPN1; Cyp11b; AA389061; Cyp11b-1
NCBI Protein Information	cytochrome P450, family 11, subfamily b, polypeptide 1
UniProt Protein Name	Cytochrome P450, family 11, subfamily b, polypeptide 1
UniProt Gene Name	Cyp11b1

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/mouse-elisa-kits/cytochrome-p450-11b1-cyp11b1/67483>