

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

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CATALOG #
AAA186315

REACTIVITY
Mouse

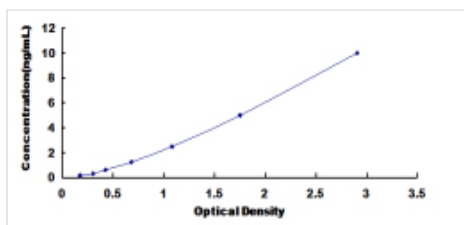
PRODUCT SYNONYMS

Cytochrome P450 11B1 (CYP11B1); Mouse Cytochrome P450 11B1 (CYP11B1) ELISA Kit; CPN1; CYP11B; FHI; CYPXIB1; S11BH; 11-Beta-Hydroxylase; Cytochrome P450 Family 11 Subfamily B Polypeptide 1; Steroid 11-beta-hydroxylase; Cytochrome P-450c11; CYP11B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Cytochrome P450 11B1 (CYP11B1). No significant cross-reactivity or interference between Cytochrome P450 11B1 (CYP11B1) and analogues was observed.
Sequence Length	437
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.064ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cytochrome P450 11B1 (CYP11B1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cytochrome P450 11B1 (CYP11B1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP11B1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytochrome P450 11B1 (CYP11B1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cytochrome P450 11B1 (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 Cytochrome P450 11B1 (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 Cytochrome P450 11B1 (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 #	61743918
NCBI GeneID	1584
NCBI Accession #	NP_000488.3
NCBI GenBank Nucleotide #	NM_000497.3
UniProt Accession #	P15538; Q14095; Q4VAQ8; Q4VAQ9; Q9UML2
Molecular Weight	49,750 Da
NCBI Official Full Name	cytochrome P450 11B1, mitochondrial isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 11 subfamily B member 1
NCBI Official Symbol	CYP11B1
NCBI Official Synonym Symbols	FH1; CPN1; CYP11B; P450C11
NCBI Protein Information	cytochrome P450 11B1, mitochondrial
UniProt Protein Name	Cytochrome P450 11B1, mitochondrial
UniProt Gene Name	CYP11B1
UniProt Synonym Gene Names	S11BH; Cytochrome P450C11

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.