Human Cholesterol side-chain cleavage enzyme, mitochondrial ELISA Kit | CYP11A1 elisa kit

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CATALOG #	REACTIVITY
AAA100101	**Human**

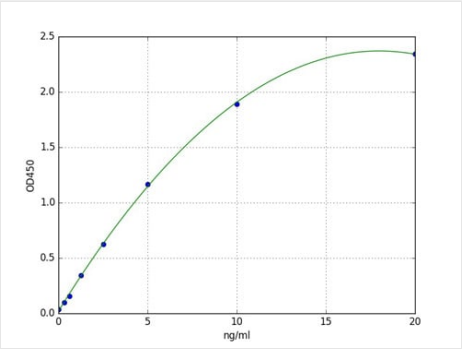
PRODUCT SYNONYMS

Cholesterol side-chain cleavage enzyme; mitochondrial; Human Cholesterol side-chain cleavage enzyme; mitochondrial ELISA Kit; CYP11A1 (Cholesterol side-chain cleavage enzyme; mitochondrial)/CYP11A/Cytochrome P450 (scc)/Cytochrome P450 11A1/Cholesterol desmolase/; CYP11A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	521
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a human CYP11A1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.033	0.101	0.165	0.335	0.616	1.132	1.819	2.267

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP11A1 elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-human CYP11A1antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-human CYP11A1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human CYP11A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration ofhuman CYP11A1can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153218646
NCBI GeneID	1583
NCBI Accession #	NP_000772.2
NCBI GenBank Nucleotide #	NM_000781.2
Molecular Weight	42,152 Da
NCBI Official Full Name	cholesterol side-chain cleavage enzyme, mitochondrial isoform a
NCBI Official Synonym Full Names	cytochrome P450 family 11 subfamily A member 1
NCBI Official Symbol	CYP11A1
NCBI Official Synonym Symbols	CYP11A; CYPXIA1; P450SCC
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
UniProt Entry Name	CP11A_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://www.aaabiotech.com/cyp11a1-human-elisa-kits/cholesterol-side-chain-cleavage-enzyme-mitochondrial/100101