

Porcine Cholesterol side-chain cleavage enzyme, mitochondrial (CYP11A1) ELISA Kit | CYP11A1 elisa kit

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CATALOG # AAA246292	REACTIVITY Porcine
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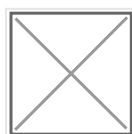
PRODUCT SYNONYMS

Cholesterol side-chain cleavage enzyme; mitochondrial (CYP11A1); Porcine Cholesterol side-chain cleavage enzyme; mitochondrial (CYP11A1) ELISA Kit; CYP11A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP11A1 elisa kit	Intended Uses: This CYP11A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CYP11A1. This ELISA kit for research use only! Principle of the Assay: CYP11A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CYP11A1 antibody and an CYP11A1-HRP conjugate. The assay sample and buffer are incubated together with CYP11A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CYP11A1 concentration since CYP11A1 from samples and CYP11A1-HRP conjugate compete for the anti-CYP11A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP11A1 from the sample, fewer sites are left to bind CYP11A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP11A1 concentration in each sample is interpolated from this standard curve.
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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, polypeptide 1
NCBI Official Symbol	CYP11A1
NCBI Official Synonym Symbols	CYP11A; CYPXIA1; P450SCC
NCBI Protein Information	cholesterol side-chain cleavage enzyme, mitochondrial; steroid 20-22-lyase; cytochrome P450 11A1; cytochrome P450(scc); cytochrome P450C11A1; cholesterol 20-22 desmolase; cholesterol monooxygenase (side-chain cleaving); cytochrome P450, subfamily XIA (cholesterol side chain cleavage)
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://stage.aaabiotech.com/porcine-elisa-kits/cholesterol-side-chain-cleavage-enzyme-mitochondrial-cyp11a1/246292>