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

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CATALOG #	REACTIVITY
AAA246901	**Rat**

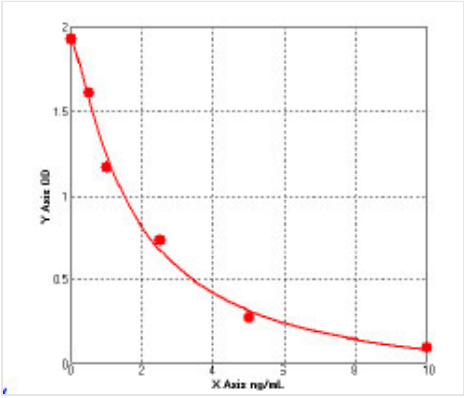
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 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 CYOX4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CYOX4. This ELISA kit for research use only! Principle of the Assay: CYOX4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CYOX4 antibody and an CYOX4-HRP conjugate. The assay sample and buffer are incubated together with CYOX4-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 CYOX4 concentration since CYOX4 from samples and CYOX4-HRP conjugate compete for the anti-CYOX4 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYOX4 from the sample, fewer sites are left to bind CYOX4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYOX4 concentration in each sample is interpolated from this standard curve.

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://www.aaabiotech.com/rat-elisa-kits/cholesterol-side-chain-cleavage-enzyme-mitochondrial-cyp11a1/246901