

## Bovine Cholesterol side-chain cleavage enzyme ELISA Kit | CYP11A1 elisa kit

Bovine Cholesterol side-chain cleavage enzyme, mitochondrial ELISA Kit

CATALOG #  
**AAA195832**

REACTIVITY  
**Bovine**

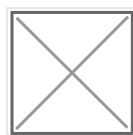
### PRODUCT SYNONYMS

Cholesterol side-chain cleavage enzyme; Bovine Cholesterol side-chain cleavage enzyme; mitochondrial ELISA Kit; mitochondrial; CYPXIA1; Cholesterol desmolase; Cytochrome P450 11A1; Cytochrome P450(scc); CYP11A1; 1.14.15.6; CYP11A1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                   |
| Specificity             | This assay recognizes recombinant and natural bovineCholesterol side-chain cleavage enzyme, mitochondrial. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 520                                                                                                                                                                      |
| Samples                 | Serum, Plasma,tissue homogenates and Cell culture supernates and Other biological fluids.                                                                                |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                                                                      |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CYP11A1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination ofbovineCholesterol side-chain cleavage enzyme, mitochondrialconcentrations in serum, Plasma,tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cholesterol side-chain cleavage enzyme, mitochondrial. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific forCholesterol side-chain cleavage enzyme, mitochondrial and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Cholesterol side-chain cleavage enzyme, mitochondrial, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm  $\pm$  2 nm. The concentration of Cholesterol side-chain cleavage enzyme, mitochondrial in the samples is then determined by comparing the O.D. of the samples to the standard curve.

### NCBI AND UNIPROT INFORMATION

|                  |                             |
|------------------|-----------------------------|
| NCBI GI #        | <a href="#">28603762</a>    |
| NCBI GeneID      | <a href="#">338048</a>      |
| NCBI Accession # | <a href="#">NP_788817.1</a> |

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| NCBI GenBank Nucleotide #     | <a href="#">NM_176644.2</a>                           |
| UniProt Accession #           | <a href="#">P00189</a> ; <a href="#">Q28152</a>       |
| Molecular Weight              | 60,333 Da                                             |
| NCBI Official Full Name       | cholesterol side-chain cleavage enzyme, mitochondrial |
| NCBI Official Symbol          | CYP11A1                                               |
| NCBI Official Synonym Symbols | CYP11A; CYPXIA1; P450(scc)                            |
| NCBI Protein Information      | cholesterol side-chain cleavage enzyme, mitochondrial |
| UniProt Protein Name          | Cholesterol side-chain cleavage enzyme, mitochondrial |
| UniProt Gene Name             | <b>CYP11A1</b>                                        |
| UniProt Entry Name            | CP11A_BOVIN                                           |

**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/cyp11a1-bovine-ovine-elisa-kits/cholesterol-side-chain-cleavage-enzyme/195832>