

## Rat Cytochrome P450 3A1 ELISA Kit | Cyp3a1 elisa kit

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CATALOG #  
**AAA310177**

REACTIVITY  
**Rat**

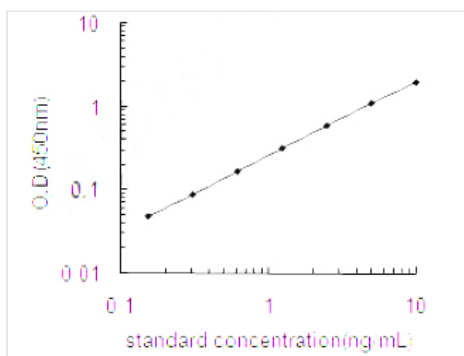
### PRODUCT SYNONYMS

Cytochrome P450 3A1; Rat Cytochrome P450 3A1 ELISA Kit; CYP3A1; Cytochrome P450-PCN1; Cyp3a1; Cyp3a1-1; 1.14.14.1; Cyp3a1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                  |
| Specificity             | This assay recognizes recombinant and natural rat Cytochrome P450 2E1. No significant cross-reactivity or interference was observed. |
| Samples                 | Serum, Plasma,, Tissue Homogenates And Cell Culture Supernates And Other Biological Fluids                                           |
| Detection Range         | 0.31 ng/mL-20.0 ng/mL.                                                                                                               |
| Preparation and Storage | Store at 4 degree C                                                                                                                  |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Cyp3a1 elisa kit

**Intended Uses:** This immunoassay kit allows for the in vitro quantitative determination of rat Cytochrome P450 2E1 concentrations 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 Cytochrome P450 2E1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Cytochrome P450 2E1 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 Cytochrome P450 2E1, 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 +/- 2 nm. The concentration of Cytochrome P450 2E1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 117153                                                               |
| NCBI GeneID                      | 25642                                                                |
| UniProt Accession #              | P04800; Q64580                                                       |
| Molecular Weight                 | 57,918 Da                                                            |
| NCBI Official Full Name          | Cytochrome P450 3A1                                                  |
| NCBI Official Synonym Full Names | cytochrome P450, family 3, subfamily a, polypeptide 23/polypeptide 1 |
| NCBI Official Symbol             | Cyp3a23/3a1                                                          |
| NCBI Official Synonym Symbols    | CYP; RL33; cDEX; Cyp3a1; Cyp3a3; CYP3A23                             |
| NCBI Protein Information         | cytochrome P450 3A1                                                  |
| UniProt Protein Name             | Cytochrome P450 3A1                                                  |
| UniProt Gene Name                | Cyp3a1                                                               |
| UniProt Synonym Gene Names       | Cyp3a-1                                                              |

**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/cyp3a1-rat-elisa-kits/cytochrome-p450-3a1/310177>