

## Rat Cytochrome P450 2D4 ELISA Kit | Cyp2d4 elisa kit

Rat Cytochrome P450 2D4 ELISA Kit

CATALOG #  
**AAA56213**

REACTIVITY  
**Rat**

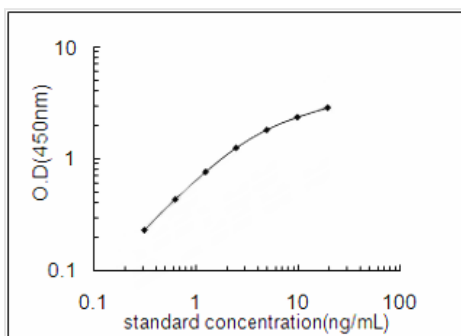
### PRODUCT SYNONYMS

Cytochrome P450 2D4; Rat Cytochrome P450 2D4 ELISA Kit; Cyp2d4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                  |
| Specificity             | This assay recognizes recombinant and natural rat Cytochrome P450 2D4. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 500                                                                                                                                  |
| Assay Type              | Sandwich                                                                                                                             |
| Detection Range         | 0.312-20 ng/mL                                                                                                                       |
| Sensitivity             | 0.182 ng/mL                                                                                                                          |
| Intra-Assay CV          | <=4.7%                                                                                                                               |
| Inter-Assay CV          | <=8.5%                                                                                                                               |
| Recovery                | 110%                                                                                                                                 |
| 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 Cyp2d4 elisa kit | Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytochrome P450 2D4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Cytochrome P450 2D4 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 2D4, 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 2D4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI GI #                        | 117244                                                |
| NCBI GeneID                      | 171522                                                |
| UniProt Accession #              | P13108; O35107; Q64680                                |
| Molecular Weight                 | 56,698 Da                                             |
| NCBI Official Full Name          | Cytochrome P450 2D4                                   |
| NCBI Official Synonym Full Names | cytochrome P450, family 2, subfamily d, polypeptide 4 |
| NCBI Official Symbol             | Cyp2d4                                                |
| NCBI Official Synonym Symbols    | Cyp2d6; Cyp2d18; Cyp2d22; Cyp2d4v1; Cyp2d4v2          |
| NCBI Protein Information         | cytochrome P450, family 2, subfamily d, polypeptide 4 |
| UniProt Protein Name             | Cytochrome P450 2D4                                   |
| UniProt Gene Name                | Cyp2d4                                                |
| UniProt Synonym Gene Names       | Cyp2d-4                                               |
| UniProt Entry Name               | CP2D4_RAT                                             |

**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.