

## Human Cytochrome P450 4V2 (CYP4V2) ELISA Kit | CYP4V2 elisa kit

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CATALOG #  
**AAA246504**

REACTIVITY  
**Human**

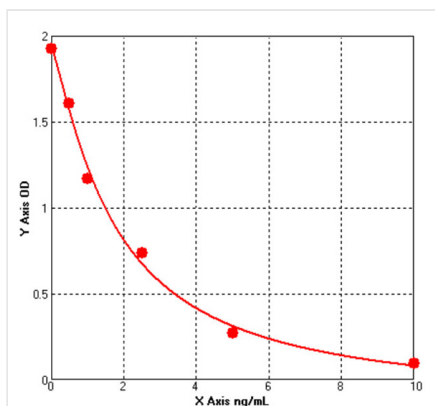
### PRODUCT SYNONYMS

Cytochrome P450 4V2 (CYP4V2); Human Cytochrome P450 4V2 (CYP4V2) ELISA Kit; CYP4V2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of CYP4V2. No significant cross-reactivity or interference between CYP4V2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CYP4V2 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                       |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                     |
| 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 CYP4V2 elisa kit | <p>Principle of the Assay: CYP4V2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CYP4V2 antibody and an CYP4V2-HRP conjugate. The assay sample and buffer are incubated together with CYP4V2-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 CYP4V2 concentration since CYP4V2 from samples and CYP4V2-HRP conjugate compete for the anti-CYP4V2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP4V2 from the sample, fewer sites are left to bind CYP4V2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP4V2 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This CYP4V2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CYP4V2. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI GI #                        | 187960086                                             |
| NCBI GeneID                      | 285440                                                |
| NCBI Accession #                 | NP_997235.3                                           |
| NCBI GenBank Nucleotide #        | NM_207352.3                                           |
| Molecular Weight                 | 58,166 Da                                             |
| NCBI Official Full Name          | cytochrome P450 4V2                                   |
| NCBI Official Synonym Full Names | cytochrome P450, family 4, subfamily V, polypeptide 2 |
| NCBI Official Symbol             | CYP4V2                                                |
| NCBI Official Synonym Symbols    | BCD; CYP4AH1                                          |
| NCBI Protein Information         | cytochrome P450 4V2                                   |
| UniProt Protein Name             | Cytochrome P450 4V2                                   |
| UniProt Gene Name                | CYP4V2                                                |
| UniProt Entry Name               | CP4V2_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/human-elisa-kits/cytochrome-p450-4v2-cyp4v2/246504>