

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

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CATALOG #
AAA246504

REACTIVITY
Human

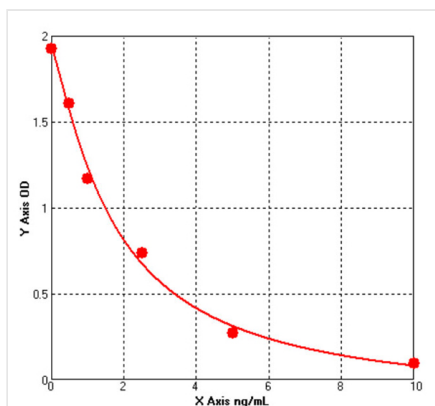
PRODUCT SYNONYMS

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	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. 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!
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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://www.aaabiotech.com/human-elisa-kits/cytochrome-p450-4v2-cyp4v2/246504>