

Human Cytochrome P450 1B1 (CYP1B1) ELISA Kit | CYP1B1 elisa kit

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CATALOG #
AAA246815

REACTIVITY
Human

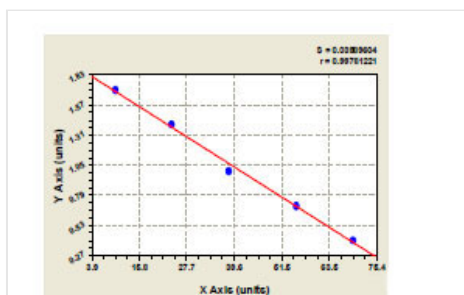
PRODUCT SYNONYMS

Cytochrome P450 1B1 (CYP1B1); Human Cytochrome P450 1B1 (CYP1B1) ELISA Kit; CYP1B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for CYP1B1 elisa kit

Intended Uses: This CYP1B1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CYP1B1. This ELISA kit for research use only!

Principle of the Assay: CYP1B1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CYP1B1 antibody and an CYP1B1-HRP conjugate. The assay sample and buffer are incubated together with CYP1B1-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 CYP1B1 concentration since CYP1B1 from samples and CYP1B1-HRP conjugate compete for the anti-CYP1B1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP1B1 from the sample, fewer sites are left to bind CYP1B1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP1B1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189491763
NCBI GeneID	1545
NCBI Accession #	NP_000095.2
NCBI GenBank Nucleotide #	NM_000104.3
Molecular Weight	60,846 Da
NCBI Official Full Name	cytochrome P450 1B1
NCBI Official Synonym Full Names	cytochrome P450, family 1, subfamily B, polypeptide 1
NCBI Official Symbol	CYP1B1
NCBI Official Synonym Symbols	CP1B; GLC3A; CYP1B1; P4501B1
NCBI Protein Information	cytochrome P450 1B1; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily I (dioxin-inducible), polypeptide 1 (glaucoma 3, primary infantile)
UniProt Protein Name	Cytochrome P450 1B1
UniProt Gene Name	CYP1B1
UniProt Entry Name	CP1B1_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-p450-1b1-cyp1b1/246815>