

Human Cytochrome P450 1B1 ELISA Kit | CYP1B1 elisa kit

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CATALOG #
AAA195914

REACTIVITY
Human

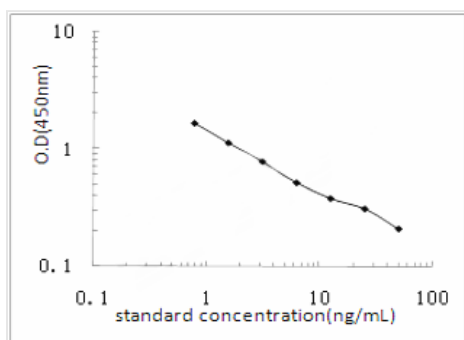
PRODUCT SYNONYMS

Cytochrome P450 1B1; Human Cytochrome P450 1B1 ELISA Kit; CYP1B1; CYP1B1; 1.14.14.1; CYP1B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural Human Cytochrome P450 1B1. No significant cross-reactivity or interference was observed.
Sequence Length	543
Assay Type	Competitive
Detection Range	0.78-50 ng/mL
Sensitivity	0.407 ng/mL
Intra-Assay CV	<=7.8%
Inter-Assay CV	<=8.9%
Recovery	109%
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 CYP1B1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Cytochrome P450 1B1 concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids. Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytochrome P450 1B1, During the reaction, Cytochrome P450 1B1 in the sample or standard competes with a fixed amount of biotin-labeled Cytochrome P450 1B1 for sites on a pre-coated Monoclonal antibody specific to Cytochrome P450 1B1. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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 1B1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189491763
NCBI GeneID	1545
NCBI Accession #	NP_000095.2
NCBI GenBank Nucleotide #	NM_000104.3
UniProt Accession #	Q16678; Q5TZW8; Q93089; Q9H316
Molecular Weight	60,846 Da
NCBI Official Full Name	cytochrome P450 1B1
NCBI Official Synonym Full Names	cytochrome P450 family 1 subfamily B member 1
NCBI Official Symbol	CYP1B1
NCBI Official Synonym Symbols	CP1B; GLC3A; CYPIB1; P4501B1
NCBI Protein Information	cytochrome P450 1B1
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/cyp1b1-human-elisa-kits/cytochrome-p450-1b1/195914>