

Human Cytochrome P450 4Z1 (CYP4Z1) ELISA Kit | CYP4Z1 elisa kit

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CATALOG #
AAA246550

REACTIVITY
Human

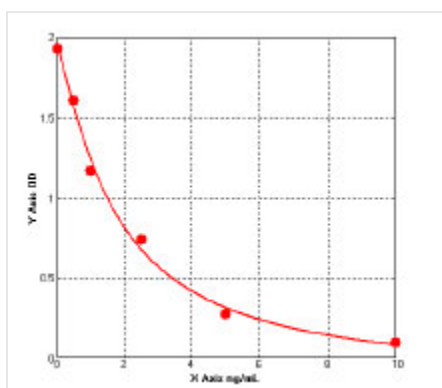
PRODUCT SYNONYMS

Cytochrome P450 4Z1 (CYP4Z1); Human Cytochrome P450 4Z1 (CYP4Z1) ELISA Kit; CYP4Z1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 CYP4Z1 elisa kit

Intended Uses: This CYP4Z1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CYP4Z1. This ELISA kit for research use only!

Principle of the Assay: CYP4Z1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CYP4Z1 antibody and an CYP4Z1-HRP conjugate. The assay sample and buffer are incubated together with CYP4Z1-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 CYP4Z1 concentration since CYP4Z1 from samples and CYP4Z1-HRP conjugate compete for the anti-CYP4Z1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP4Z1 from the sample, fewer sites are left to bind CYP4Z1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP4Z1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30023836
NCBI GeneID	199974
NCBI Accession #	NP_835235.1
NCBI GenBank Nucleotide #	NM_178134.2
Molecular Weight	59,086 Da
NCBI Official Full Name	cytochrome P450 4Z1
NCBI Official Synonym Full Names	cytochrome P450, family 4, subfamily Z, polypeptide 1
NCBI Official Symbol	CYP4Z1
NCBI Official Synonym Symbols	CYP4A20
NCBI Protein Information	cytochrome P450 4Z1; CYP4Z1
UniProt Protein Name	Cytochrome P450 4Z1
UniProt Gene Name	CYP4Z1
UniProt Synonym Gene Names	UNQ3060/PRO9882
UniProt Entry Name	CP4Z1_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-p450-4z1-cyp4z1/246550>