

Human Cytochrome P450 2C19 (CYP2C19) ELISA Kit | CYP2C19 elisa kit

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CATALOG #
AAA68541

REACTIVITY
Human

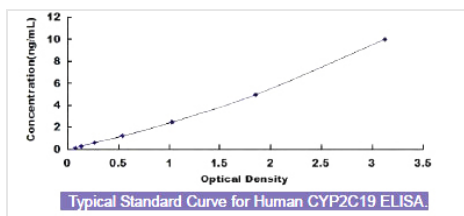
PRODUCT SYNONYMS

Cytochrome P450 2C19 (CYP2C19); Human Cytochrome P450 2C19 (CYP2C19) ELISA Kit; CPCJ; CYP2C; CYP11C17; CYP11C19; P450C2C; Cytochrome P450-11A; Cytochrome P450-254C; Mephenytoin 4-hydroxylase; limonene 6-monooxygenase; CYP2C19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP2C19. No significant cross-reactivity or interference between CYP2C19 and analogues was observed.
Sequence Length	490
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.056ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYP2C19 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CYP2C19 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP2C19 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CYP2C19 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CYP2C19. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CYP2C19. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CYP2C19, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CYP2C19 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503219
NCBI GeneID	1557
NCBI Accession #	NP_000760.1
NCBI GenBank Nucleotide #	NM_000769.3
UniProt Accession #	P33261; P33259; Q8WZB1; Q8WZB2; Q9UCD4
Molecular Weight	55,931 Da
NCBI Official Full Name	cytochrome P450 2C19
NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily C member 19
NCBI Official Symbol	CYP2C19
NCBI Official Synonym Symbols	CPCJ; CYP2C; P450C2C; CYPIIC17; CYPIIC19; P450IIC19
NCBI Protein Information	cytochrome P450 2C19
UniProt Protein Name	Cytochrome P450 2C19
UniProt Gene Name	CYP2C19

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-p450-2c19-cyp2c19/68541>