

Human Cytochrome P450 2C18 (CYP2C18) ELISA Kit | CYP2C18 elisa kit

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CATALOG #
AAA68018

REACTIVITY
Human

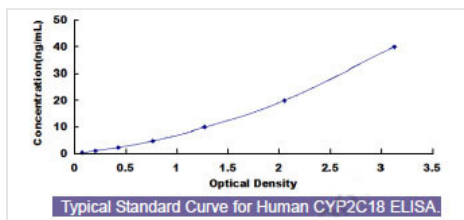
PRODUCT SYNONYMS

Cytochrome P450 2C18 (CYP2C18); Human Cytochrome P450 2C18 (CYP2C18) ELISA Kit; CYP2C; CPCI; CYP2C17; CPCJ; P450C2C; limonene 6-monooxygenase; Mephenytoin 4-hydroxylase; Cytochrome P450 Family 2 Subfamily C Polypeptide 18; CYP2C18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP2C18. No significant cross-reactivity or interference between CYP2C18 and analogues was observed.
Sequence Length	431
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	0.247ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYP2C18 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 CYP2C18 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP2C18 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CYP2C18 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CYP2C18. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CYP2C18. 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 CYP2C18, 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 CYP2C18 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 #	13699816
NCBI GeneID	1562
NCBI Accession #	NP_000763.1
NCBI GenBank Nucleotide #	NM_000772.2
UniProt Accession #	P33260; Q16703; Q16751; Q4VAT5; Q6GRG1; B2R8K2
Molecular Weight	48,805 Da
NCBI Official Full Name	cytochrome P450 2C18 isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily C member 18
NCBI Official Symbol	CYP2C18
NCBI Official Synonym Symbols	CPCI; CYP2C; CYP2C17; P450IIC17; P450-6B/29C
NCBI Protein Information	cytochrome P450 2C18
UniProt Protein Name	Cytochrome P450 2C18
UniProt Gene Name	CYP2C18

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.