

Human Cytochrome P450 2C9 (CYP2C9) ELISA Kit | CYP2C9 elisa kit

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CATALOG #
AAA68017

REACTIVITY
Human

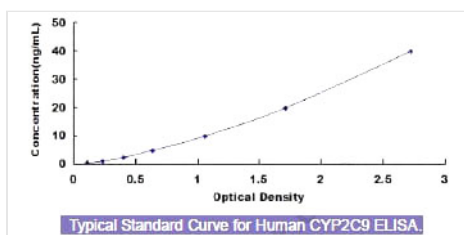
PRODUCT SYNONYMS

Cytochrome P450 2C9 (CYP2C9); Human Cytochrome P450 2C9 (CYP2C9) ELISA Kit; CYP2C9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP2C9. No significant cross-reactivity or interference between CYP2C9 and analogues was observed.
Sequence Length	162
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	0.234ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYP2C9 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 CYP2C9 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 CYP2C9 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CYP2C9 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 CYP2C9. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CYP2C9. 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 CYP2C9, 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 CYP2C9 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 #	13699818
NCBI GeneID	1559
NCBI Accession #	NP_000762.2
NCBI GenBank Nucleotide #	NM_000771.3
UniProt Accession #	P11712; P11713; Q16756; Q16872; Q5VX92; Q6IRV8; Q8WW80
Molecular Weight	18,005 Da
NCBI Official Full Name	cytochrome P450 2C9
NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily C member 9
NCBI Official Symbol	CYP2C9
NCBI Official Synonym Symbols	CPC9; CYP2C; CYP2C10; CYP11C9; P45011C9
NCBI Protein Information	cytochrome P450 2C9
UniProt Protein Name	Cytochrome P450 2C9
UniProt Gene Name	CYP2C9
UniProt Synonym Gene Names	CYP2C10

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-p450-2c9-cyp2c9/68017>