

Human Cytochrome P450 2C9 ELISA Kit | CYP2C9 elisa kit

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CATALOG #
AAA102031

REACTIVITY
Human

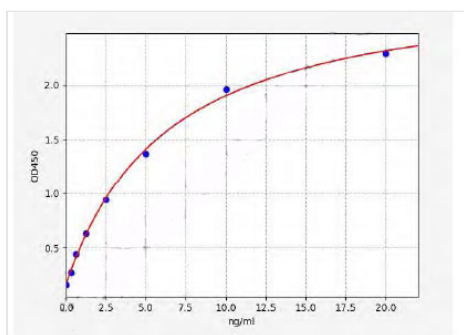
PRODUCT SYNONYMS

Cytochrome P450 2C9; Human Cytochrome P450 2C9 ELISA Kit; CYP2C9/Cytochrome P450 2C9/Cytochrome P450 MP-4/Cytochrome P-450MP/CYP11C9/ (S)-limonene 7-monooxygenase/S-mephenytoin 4-hydroxylase/Cytochrome P450 PB-1/Cytochrome P450 MP-8/ (R)-limonene 6-monooxygenase/ (S)-limonene 6-monooxygenase/CYP2C10/CPC9/CYP2C; 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	490
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP2C9 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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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
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
UniProt Entry Name	CP2C9_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.