

Human cytochrome P450, family 2, subfamily R, polypeptide 1 ELISA Kit | CYP2R1 elisa kit

Human Vitamin D 25-hydroxylase, CYP2R1 ELISA Kit

CATALOG #
AAA112242

REACTIVITY
Human

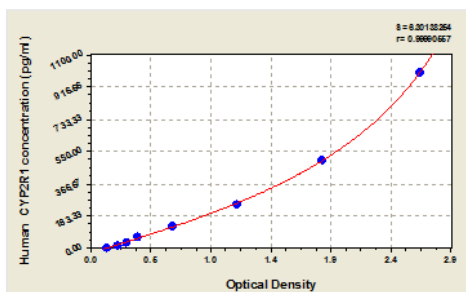
PRODUCT SYNONYMS

cytochrome P450; family 2; subfamily R; polypeptide 1; Human Vitamin D 25-hydroxylase; CYP2R1 ELISA Kit; Human Vitamin D 25-hydroxylase (CYP2R1) ELISA kit; MGC4663; R1; vitamin D 25-hydroxylase; CYP2R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CYP2R1. No significant cross-reactivity or interference between Human CYP2R1 and analogues was observed.
Sequence Length	501
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	3.9 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP2R1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CYP2R1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CYP2R1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CYP2R1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CYP2R1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45267826
NCBI GeneID	120227
NCBI Accession #	NP_078790.2
NCBI GenBank Nucleotide #	NM_024514.4
UniProt Accession #	Q6VVX0; Q2M3H3; Q5RT65
Molecular Weight	57,359 Da
NCBI Official Full Name	vitamin D 25-hydroxylase
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily R, polypeptide 1
NCBI Official Symbol	CYP2R1
NCBI Protein Information	vitamin D 25-hydroxylase; cytochrome P450 2R1; cytochrome P450, family 2, R1
UniProt Protein Name	Vitamin D 25-hydroxylase
UniProt Gene Name	CYP2R1
UniProt Entry Name	CP2R1_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://stage.aaabiotech.com/cyp2r1-human-elisa-kits/cytochrome-p450-family-2-subfamily-r-polypeptide-1/112242>