

Human cytochrome P450, family 2, subfamily E, polypeptide 1 ELISA Kit | CYP2E1 elisa kit

Human Cytochrome P450 2E1, CYP2E1 ELISA Kit

CATALOG #
AAA18021

REACTIVITY
Human

PRODUCT SYNONYMS

cytochrome P450; family 2; subfamily E; polypeptide 1; Human Cytochrome P450 2E1; CYP2E1 ELISA Kit; Human Cytochrome P450 2E1 (CYP2E1) ELISA kit; CPE1; CYP2E; P450-J; P450C2E; cytochrome P450 2E1; subfamily IIE (ethanol-inducible); flavoprotein-linked monooxygenase; microsomal monooxygenase; xenobiotic monooxygenase; CYP2E1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CYP2E1. No significant cross-reactivity or interference between human CYP2E1 and analogues was observed.
Sequence Length	493
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	43.75 pg/ml-2800 pg/ml
Sensitivity	< 10.94 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 CYP2E1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CYP2E1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CYP2E1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CYP2E1 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 CYP2E1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834998
NCBI GeneID	1571
NCBI Accession #	NP_000764.1
NCBI GenBank Nucleotide #	NM_000773.3
UniProt Accession #	P05181; Q5VZD5; Q6NWT9; Q9UK47
Molecular Weight	56,849 Da
NCBI Official Full Name	cytochrome P450 2E1
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily E, polypeptide 1
NCBI Official Symbol	CYP2E1
NCBI Official Synonym Symbols	CPE1; CYP2E; P450-J; P450C2E
NCBI Protein Information	cytochrome P450 2E1; CYP11E1; cytochrome P450-J; microsomal monooxygenase; xenobiotic monooxygenase; 4-nitrophenol 2-hydroxylase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIE (ethanol-inducible), polypeptide 1
UniProt Protein Name	Cytochrome P450 2E1
UniProt Gene Name	CYP2E1
UniProt Synonym Gene Names	CYP2E
UniProt Entry Name	CP2E1_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/cyp2e1-human-elisa-kits/cytochrome-p450-family-2-subfamily-e-polypeptide-1/18021>