

Rat CYP2E1 ELISA Kit | CYP2E1 elisa kit

Rat CYP2E1 (Cytochrome P450, family 2, subfamily E, polypeptide 1) ELISA Kit

CATALOG #
AAA164081

REACTIVITY
Rat

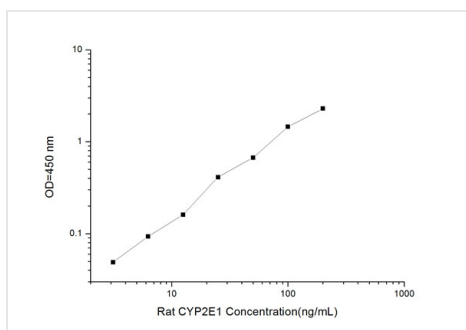
PRODUCT SYNONYMS

CYP2E1; Rat CYP2E1 (Cytochrome P450; family 2; subfamily E; polypeptide 1) ELISA Kit; CYP2E1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat CYP2E1 in samples. No significant cross-reactivity or interference between Rat CYP2E1 and analogues was observed.
Sequence Length	493
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	3.13-200ng/mL
Sensitivity	1.88ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat CYP2E1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat CYP2E1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP2E1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat CYP2E1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat CYP2E1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat CYP2E1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Rat CYP2E1. You can calculate the concentration of Rat CYP2E1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat CYP2E1 concentrations in serum, plasma and other biological fluids.
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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; 4-nitrophenol 2-hydroxylase; CYP1IIE1; cytochrome P450, subfamily IIE (ethanol-inducible), polypeptide 1; cytochrome P450-J; flavoprotein-linked monooxygenase; microsomal monooxygenase; xenobiotic monooxygenase
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/rat-elisa-kits/cyp2e1/164081>