

Rat Cytochrome P450 2E1 (CYP2E1) RTU ELISA Kit | CYP2E1 rtu elisa kit

Rat Cytochrome P450 2E1 (CYP2E1) ELISA Kit

CATALOG #
AAA70124

REACTIVITY
Rat

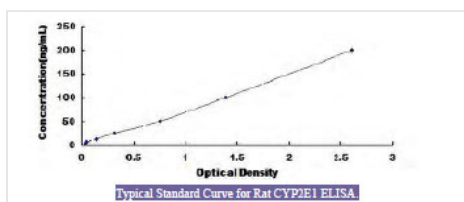
PRODUCT SYNONYMS

Cytochrome P450 2E1 (CYP2E1); Rat Cytochrome P450 2E1 (CYP2E1) ELISA Kit; CPE1; CYP11E1; P450-J; P450C2E; 4-nitrophenol 2-hydroxylase; Cytochrome P450 Family 2 Subfamily E 1; Cytochrome P450; Subfamily IIE(Ethanol-Inducible)Polypeptide 1; CYP2E1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP2E1. No significant cross-reactivity or interference between CYP2E1 and analogues was observed.
Sequence Length	493
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12-200ng/mL
Sensitivity	< 1.25ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYP2E1 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 CYP2E1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP2E1 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CYP2E1 in rat tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CYP2E1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CYP2E1. 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 CYP2E1, 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 CYP2E1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	13928734
NCBI GeneID	25086
NCBI Accession #	NP_113731.1
NCBI GenBank Nucleotide #	NM_031543.1
UniProt Accession #	P05182
Molecular Weight	56,627 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	Cyp2e
NCBI Protein Information	cytochrome P450 2E1
UniProt Protein Name	Cytochrome P450 2E1
UniProt Gene Name	Cyp2e1
UniProt Synonym Gene Names	Cyp2e; Cyp2e-1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-rtu-elisa-kits/cytochrome-p450-2e1-cyp2e1/70124>