

Rat Cytochrome P450 2B1 ELISA Kit | CYP2B1 elisa kit

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CATALOG #
AAA83843

REACTIVITY
Rat

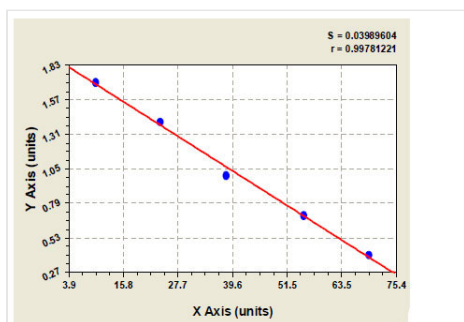
PRODUCT SYNONYMS

Cytochrome P450 2B1; Rat Cytochrome P450 2B1 ELISA Kit; CYP2B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for CYP2B1 elisa kit

Intended Uses: This CYP2B1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CYP2B1. This ELISA kit for research use only!

Principle of the Assay||CYP2B1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CYP2B1 antibody and an CYP2B1-HRP conjugate. The assay sample and buffer are incubated together with CYP2B1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CYP2B1 concentration since CYP2B1 from samples and CYP2B1-HRP conjugate compete for the anti-CYP2B1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP2B1 from the sample, fewer sites are left to bind CYP2B1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP2B1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	198442825
NCBI GeneID	24300
NCBI Accession #	NP_001128316.1
NCBI GenBank Nucleotide #	NM_001134844.1
Molecular Weight	55,934 Da
NCBI Official Full Name	cytochrome P450 2B1
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily b, polypeptide 1
NCBI Official Symbol	Cyp2b1
NCBI Official Synonym Symbols	Cypbe; Cyp2b-1
NCBI Protein Information	cytochrome P450 2B1; P450b; P450-B; CYP11B1; P450-LM2; cytochrome P450b; cytochrome P450-B; cytochrome P450-LM2; cytochrome P450-PB1; cytochrome P450-PB2; P450-PB1 and P450-PB2; Cytochrome P450, subfamily IIB (phenobarbital-inducible) (b, e)
UniProt Protein Name	Cytochrome P450 2B1
UniProt Gene Name	Cyp2b1
UniProt Synonym Gene Names	Cyp2b-1; Cytochrome P450b
UniProt Entry Name	CP2B1_RAT

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/cyp2b1-rat-elisa-kits/cytochrome-p450-2b1/83843>