

Mouse Cytochrome P450 2B1 ELISA Kit | CYP2B1 elisa kit

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CATALOG #
AAA87707

REACTIVITY
Mouse

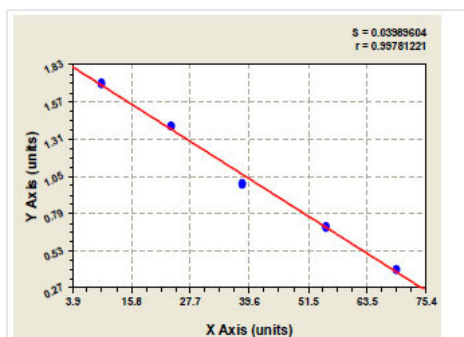
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP2B1 elisa kit

Intended Uses: This CYP21B-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CYP21B-Ab. This ELISA kit for research use only!

Principle of the Assay: CYP21B-Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing cytochrome P450c21/21 hydroxylase antigen and an CYP21B-Ab-HRP conjugate. The assay sample and buffer are incubated together with CYP21B-Ab-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 CYP21B-Ab concentration since CYP21B-Ab from samples and CYP21B-Ab-HRP conjugate compete for the cytochrome P450c21/21 hydroxylase antigen binding site. Since the number of sites is limited, as more sites are occupied by CYP21B-Ab from the sample, fewer sites are left to bind CYP21B-Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP21B-Ab 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cyp2b1-mouse-elisa-kits/cytochrome-p450-2b1/87707>