

Mouse Cytochrome P450 27B1 (CYP27B1) RTU ELISA Kit | CYP27B1 rtu elisa kit

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CATALOG #
AAA70118

REACTIVITY
Mouse

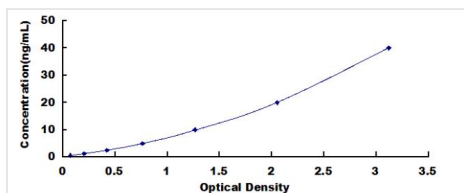
PRODUCT SYNONYMS

Cytochrome P450 27B1 (CYP27B1); Mouse Cytochrome P450 27B1 (CYP27B1) ELISA Kit; VDD1; PDDR; CYP1; P450c1; 25-Hydroxyvitamin D3 1-Alpha-Hydroxylase; Cytochrome P450 Family 27 Subfamily B Polypeptide 1; Calcdiol 1-monooxygenase; VD3 1A hydroxylase; CYP27B1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	507
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.625-40ng/mL
Sensitivity	0.214ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
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 CYP27B1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CYP27B1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CYP27B1. 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 CYP27B1, 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 $\pm$ 10nm. The concentration of CYP27B1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	227497562
NCBI GeneID	13115
NCBI Accession #	NP_034139.2
NCBI GenBank Nucleotide #	NM_010009.2
UniProt Accession #	O35084
Molecular Weight	56,225 Da
NCBI Official Full Name	25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450, family 27, subfamily b, polypeptide 1
NCBI Official Symbol	Cyp27b1
NCBI Official Synonym Symbols	Vdr; Cp2b; Cyp1; Pddr; Vdd1; Vddr; Cyp40; Vddrl; Cyp27b; P450c1
NCBI Protein Information	25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial
UniProt Protein Name	25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial
UniProt Gene Name	Cyp27b1
UniProt Synonym Gene Names	Cyp27b; Cyp40; VD3 1A hydroxylase

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://www.aaabiotech.com/mouse-rtu-elisa-kits/cytochrome-p450-27b1-cyp27b1/70118>