

Mouse cyp7b1 ELISA Kit | CYP7B1 elisa kit

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CATALOG #
AAA246005

REACTIVITY
Mouse

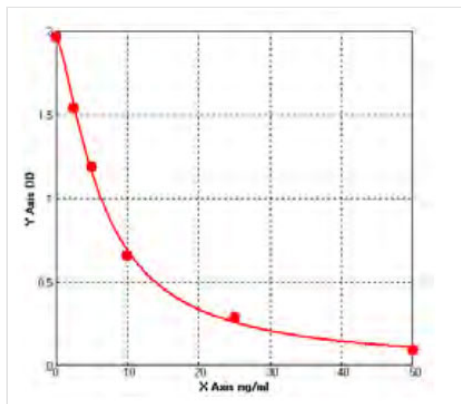
PRODUCT SYNONYMS

cyp7b1; mouse cyp7b1 ELISA Kit; CYP7B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP7B1. No significant cross-reactivity or interference between CYP7B1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP7B1 elisa kit	Principle of the Assay: CYP7B1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CYP7B1 antibody and an CYP7B1-HRP conjugate. The assay sample and buffer are incubated together with CYP7B1-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 CYP7B1 concentration since CYP7B1 from samples and CYP7B1-HRP conjugate compete for the anti-CYP7B1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP7B1 from the sample, fewer sites are left to bind CYP7B1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP7B1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CYP7B1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CYP7B1. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116283786
NCBI GeneID	9420
Molecular Weight	58,256 Da
NCBI Official Full Name	CYP7B1 protein, partial
NCBI Official Synonym Full Names	cytochrome P450, family 7, subfamily B, polypeptide 1
NCBI Official Symbol	CYP7B1
NCBI Official Synonym Symbols	CP7B; CBAS3; SPG5A
NCBI Protein Information	25-hydroxycholesterol 7-alpha-hydroxylase; cytochrome P450 7B1; oxysterol 7alpha-hydroxylase; oxysterol 7-alpha-hydroxylase; cytochrome P450, subfamily VIIB (oxysterol 7 alpha-hydroxylase), polypeptide 1
UniProt Protein Name	25-hydroxycholesterol 7-alpha-hydroxylase
UniProt Gene Name	CYP7B1
UniProt Entry Name	CP7B1_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/mouse-elisa-kits/cyp7b1/246005>