

Mouse cyp27a1 ELISA Kit

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CATALOG #
AAA244806

REACTIVITY
Mouse

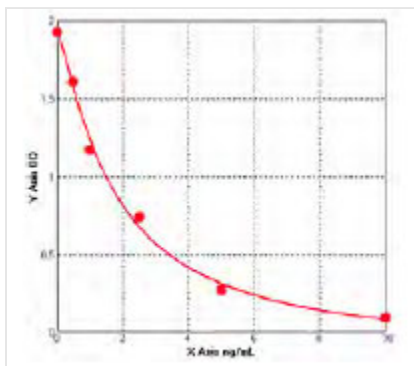
PRODUCT SYNONYMS

cyp27a1; mouse cyp27a1 ELISA Kit; cyp27a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP27A1. No significant cross-reactivity or interference between CYP27A1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CYP27A1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 cyp27a1 elisa kit	Intended Uses: This CYP27A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseCYP27A1. This ELISA kit for research use only! Principle of the Assay: CYP27A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CYP27A1 antibody and an CYP27A1-HRP conjugate. The assay sample and buffer are incubated together with CYP27A1-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 CYP27A1 concentration since CYP27A1 from samples and CYP27A1-HRP conjugate compete for the anti-CYP27A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP27A1 from the sample, fewer sites are left to bind CYP27A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP27A1 concentration in each sample is interpolated from this standard curve.
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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-elisa-kits/cyp27a1/244806>