

Porcine Cytochrome P450 ELISA Kit | CYP21A elisa kit

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CATALOG #
AAA96830

REACTIVITY
Porcine

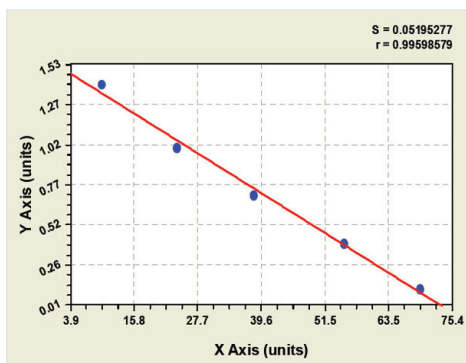
PRODUCT SYNONYMS

Cytochrome P450; Porcine Cytochrome P450 ELISA Kit; CYP21A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 CYP21A elisa kit

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

Principle of the Assay: CYP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CYP antibody and an CYP-HRP conjugate. The assay sample and buffer are incubated together with CYP-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 CYP concentration since CYP from samples and CYP-HRP conjugate compete for the anti-CYP antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP from the sample, fewer sites are left to bind CYP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	308190446
Molecular Weight	7,572 Da
NCBI Official Full Name	cytochrome P450 mono-oxygenase, partial
UniProt Protein Name	Cytochrome P450 mono-oxygenase
UniProt Gene Name	cyp21a
UniProt Entry Name	K7N8J5_ARTAN

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/cyp21a-porcine-elisa-kits/cytochrome-p450/96830>