

Canine Cytochrome P450 ELISA Kit | CYP450 elisa kit

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CATALOG #
AAA247444

REACTIVITY
Canine

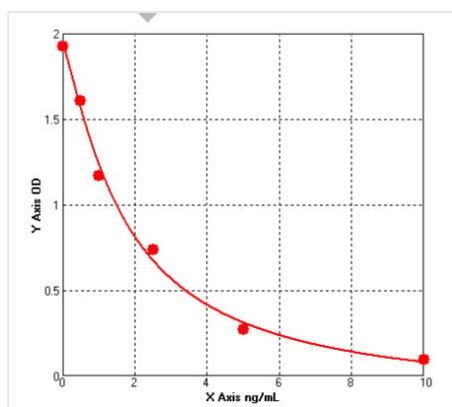
PRODUCT SYNONYMS

Cytochrome P450; Canine Cytochrome P450 ELISA Kit; CYP450 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP450. No significant cross-reactivity or interference between CYP450 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CYP450 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	498
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP450 elisa kit	Principle of the Assay: CYP450 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CYP450 antibody and an CYP450-HRP conjugate. The assay sample and buffer are incubated together with CYP450-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 CYP450 concentration since CYP450 from samples and CYP450-HRP conjugate compete for the anti-CYP450 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP450 from the sample, fewer sites are left to bind CYP450-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP450 concentration in each sample is interpolated from this standard curve. Intended Uses: This CYP450 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CYP450. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CYP450 elisa kit	Cardiovascular; Signal Transduction; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	146134960
NCBI GeneID	572000
NCBI Accession #	NP_001020728.2
NCBI GenBank Nucleotide #	NM_001025557.2
NCBI Official Full Name	cytochrome P450
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily AA, polypeptide 1
NCBI Official Symbol	cyp2aa1
NCBI Official Synonym Symbols	zgc:162502
NCBI Protein Information	cytochrome P450

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.