

Human Cytochrome P450 2A6 (CYP2A6) ELISA Kit | CYP2A6 elisa kit

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CATALOG #
AAA246225

REACTIVITY
Human

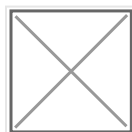
PRODUCT SYNONYMS

Cytochrome P450 2A6 (CYP2A6); Human Cytochrome P450 2A6 (CYP2A6) ELISA Kit; CYP2A6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP2A6 elisa kit

Intended Uses: This CYP2A6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CYP2A6. This ELISA kit for research use only!

Principle of the Assay: CYP2A6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-CYP2A6 antibody and an CYP2A6-HRP conjugate. The assay sample and buffer are incubated together with CYP2A6-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 CYP2A6 concentration since CYP2A6 from samples and CYP2A6-HRP conjugate compete for the anti-CYP2A6 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP2A6 from the sample, fewer sites are left to bind CYP2A6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP2A6 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189339233
NCBI GeneID	1548
NCBI Accession #	NP_000753.3

NCBI GenBank Nucleotide #	NM_000762.5
Molecular Weight	56,501 Da
NCBI Official Full Name	cytochrome P450 2A6
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily A, polypeptide 6
NCBI Official Symbol	CYP2A6
NCBI Official Synonym Symbols	CPA6; CYP2A; CYP2A3; P450PB; CYP1IA6; P450C2A
NCBI Protein Information	cytochrome P450 2A6; cytochrome P450(I); cytochrome P450 IIA3; coumarin 7-hydroxylase; xenobiotic monooxygenase; 1,4-cineole 2-exo-monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 6
UniProt Protein Name	Cytochrome P450 2A6
UniProt Gene Name	CYP2A6
UniProt Synonym Gene Names	CYP2A3
UniProt Entry Name	CP2A6_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/human-elisa-kits/cytochrome-p450-2a6-cyp2a6/246225>