

Human Cytochrome P450 2J2 (CYP2J2) ELISA Kit | CYP2J2 elisa kit

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CATALOG #
AAA245521

REACTIVITY
Human

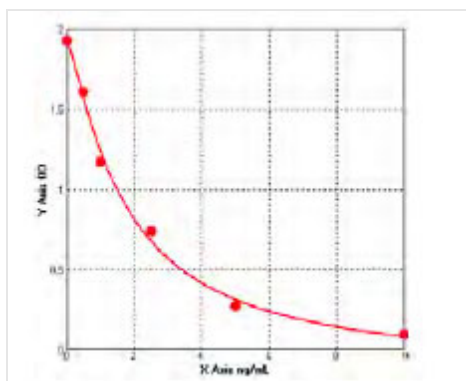
PRODUCT SYNONYMS

Cytochrome P450 2J2 (CYP2J2); Human Cytochrome P450 2J2 (CYP2J2) ELISA Kit; CYP2J2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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 CYP2J2 elisa kit

Intended Uses: This CYP2J2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CYP2J2. This ELISA kit for research use only!

Principle of the Assay: CYP2J2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CYP2J2 antibody and an CYP2J2-HRP conjugate. The assay sample and buffer are incubated together with CYP2J2-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 CYP2J2 concentration since CYP2J2 from samples and CYP2J2-HRP conjugate compete for the anti-CYP2J2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP2J2 from the sample, fewer sites are left to bind CYP2J2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP2J2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18491008
NCBI GeneID	1573
NCBI Accession #	NP_000766.2
NCBI GenBank Nucleotide #	NM_000775.2
Molecular Weight	57,611 Da
NCBI Official Full Name	cytochrome P450 2J2
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily J, polypeptide 2
NCBI Official Symbol	CYP2J2
NCBI Official Synonym Symbols	CPJ2
NCBI Protein Information	cytochrome P450 2J2; CYP11J2; microsomal monooxygenase; arachidonic acid epoxigenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily 11J (arachidonic acid epoxigenase) polypeptide 2
UniProt Protein Name	Cytochrome P450 2J2
UniProt Gene Name	CYP2J2
UniProt Entry Name	CP2J2_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://www.aaabiotech.com/human-elisa-kits/cytochrome-p450-2j2-cyp2j2/245521>