

Human CYP1A2 ELISA Kit | CYP1A2 elisa kit

Human CYP1A2 (Cytochrome P450, family 1, subfamily A, polypeptide 2) ELISA Kit

CATALOG #
AAA21533

REACTIVITY
Human

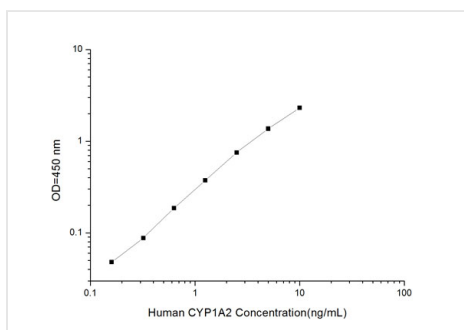
PRODUCT SYNONYMS

CYP1A2; Human CYP1A2 (Cytochrome P450; family 1; subfamily A; polypeptide 2) ELISA Kit; CYP1A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human CYP1A2 in samples. No significant cross-reactivity or interference between Human CYP1A2 and analogues was observed.
Sequence Length	516
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human CYP1A2 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human CYP1A2 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP1A2 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CYP1A2. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human CYP1A2 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CYP1A2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human CYP1A2. You can calculate the concentration of Human CYP1A2 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human CYP1A2 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73915100
NCBI GeneID	1544
NCBI Accession #	NP_000752.2
NCBI GenBank Nucleotide #	NM_000761.4
UniProt Accession #	P05177; Q16754; Q6NWU5; Q9BXX7; Q9UK49
Molecular Weight	58,407 Da
NCBI Official Full Name	cytochrome P450 1A2
NCBI Official Synonym Full Names	cytochrome P450, family 1, subfamily A, polypeptide 2
NCBI Official Symbol	CYP1A2
NCBI Official Synonym Symbols	CP12; P3-450; P450(PA)
NCBI Protein Information	cytochrome P450 1A2; CYPIA2; P450 form 4; aryl hydrocarbon hydroxylase; cytochrome P(3)450; cytochrome P450 4; cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2; cytochrome P450-P3; dioxin-inducible P3-450; flavoprotein-linked monooxygenase; microsomal monooxygenase; xenobiotic monooxygenase
UniProt Protein Name	Cytochrome P450 1A2
UniProt Gene Name	CYP1A2
UniProt Entry Name	CP1A2_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.