

Human CYP1A1 ELISA Kit | CYP1A1 elisa kit

Human CYP1A1 (Cytochrome P450, family 1, subfamily A, polypeptide 1) ELISA Kit

CATALOG #
AAA164420

REACTIVITY
Human

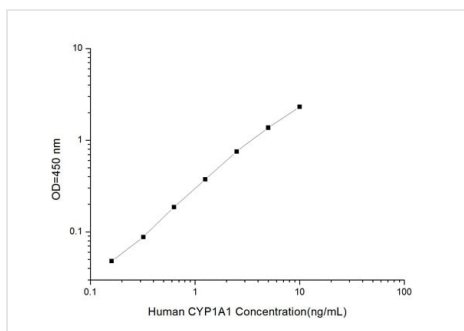
PRODUCT SYNONYMS

CYP1A1; Human CYP1A1 (Cytochrome P450; family 1; subfamily A; polypeptide 1) ELISA Kit; CYP1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CYP1A1. No significant cross-reactivity or interference between Human CYP1A1 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human CYP1A1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	512
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP1A1 elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CYP1A1 in human serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CYP1A1. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human CYP1A1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CYP1A1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid 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 CYP1A1. You can calculate the concentration of Human CYP1A1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503199
NCBI GeneID	1543
NCBI Accession #	NP_000490.1
NCBI GenBank Nucleotide #	NM_000499.3
UniProt Accession #	P04798; Q53G18; A4F3V9; A4F3W0
Molecular Weight	18,441 Da
NCBI Official Full Name	cytochrome P450 1A1
NCBI Official Synonym Full Names	cytochrome P450, family 1, subfamily A, polypeptide 1
NCBI Official Symbol	CYP1A1
NCBI Official Synonym Symbols	AHH; AHRR; CP11; CYP1; P1-450; P450-C; P450DX
NCBI Protein Information	cytochrome P450 1A1; CYPIA1; aryl hydrocarbon hydroxylase; cytochrome P1-450, dioxin-inducible; cytochrome P450 form 6; cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 1; cytochrome P450-C; cytochrome P450-P1; flavoprotein-linked monooxygenase; xenobiotic monooxygenase
UniProt Protein Name	Cytochrome P450 1A1
UniProt Gene Name	CYP1A1
UniProt Entry Name	CP1A1_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/cyp1a1/164420>