

Human Cytochrome P450, family 1, subfamily A, polypeptide 2 ELISA Kit | CYP1A2 elisa kit

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CATALOG #
AAA101080

REACTIVITY
Human

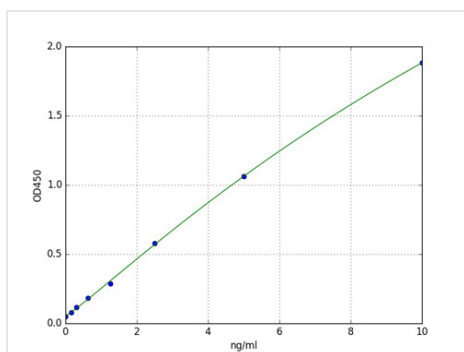
PRODUCT SYNONYMS

Cytochrome P450; family 1; subfamily A; polypeptide 2; Human Cytochrome P450; polypeptide 2 ELISA Kit; CYP1A2/Cytochrome P450 1A2/Cytochrome P450-P3/Cytochrome P450 4/CYP1A2/Cytochrome P (3)450; CYP1A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	516
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human CYP1A2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.025	0.157	0.289	0.448	0.875	1.168	1.692	2.772

ADDITIONAL INFORMATION

Related Product Information for CYP1A2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology anti-Human CYP1A2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CYP1A2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CYP1A2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CYP1A2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119619719
NCBI GeneID	1544
Molecular Weight	58,407 Da
NCBI Official Full Name	cytochrome P450, family 1, subfamily A, polypeptide 2
NCBI Official Synonym Full Names	cytochrome P450 family 1 subfamily A member 2
NCBI Official Symbol	CYP1A2
NCBI Official Synonym Symbols	CP12; P3-450; P450(PA)
NCBI Protein Information	cytochrome P450 1A2
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.

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Online datasheet: <https://stage.aaabiotech.com/cyp1a2-human-elisa-kits/cytochrome-p450-family-1-subfamily-a-polypeptide-2/101080>