

Human Cytochrome P450 3A5 ELISA Kit | CYP3A5 elisa kit

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CATALOG #
AAA101580

REACTIVITY
Human

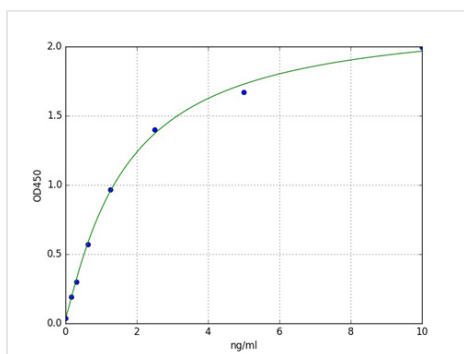
PRODUCT SYNONYMS

Cytochrome P450 3A5; Human Cytochrome P450 3A5 ELISA Kit; CYP3A5/Cytochrome P450 3A5/Cytochrome P450-PCN3/CYP11A5/Cytochrome P450 HLp2; CYP3A5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	492
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 CYP3A5 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	0.030	0.053	0.089	0.151	0.298	0.839	1.663	2.575

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP3A5 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CYP3A5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CYP3A5 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 CYP3A5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CYP3A5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	628601851
NCBI GeneID	1577
NCBI Accession #	NP_001278759.1
NCBI GenBank Nucleotide #	NM_001291830.1
Molecular Weight	15,846 Da
NCBI Official Full Name	cytochrome P450 3A5 isoform 4
NCBI Official Synonym Full Names	cytochrome P450 family 3 subfamily A member 5
NCBI Official Symbol	CYP3A5
NCBI Official Synonym Symbols	CP35; PCN3; CYP11A5; P450PCN3
NCBI Protein Information	cytochrome P450 3A5
UniProt Protein Name	Cytochrome P450 3A5
UniProt Gene Name	CYP3A5
UniProt Entry Name	CP3A5_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/cyp3a5-human-elisa-kits/cytochrome-p450-3a5/101580>