

Rat Cytochrome P450 3A1 ELISA Kit | Cyp3a1 elisa kit

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CATALOG #
AAA101428

REACTIVITY
Rat

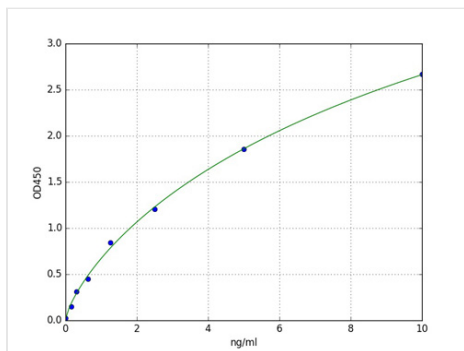
PRODUCT SYNONYMS

Cytochrome P450 3A1; Rat Cytochrome P450 3A1 ELISA Kit; Cyp3a1; Cyp3a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	502
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 Rat Cyp3a1 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	0.119	0.188	0.251	0.398	0.531	0.807	1.291	1.740

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cyp3a1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Cyp3a1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Cyp3a1 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 Rat Cyp3a1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Cyp3a1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

148540156

NCBI GeneID	25642
NCBI Accession #	NP_037237.2
NCBI GenBank Nucleotide #	NM_013105.2
Molecular Weight	57,918 Da
NCBI Official Full Name	cytochrome P450 3A1
NCBI Official Synonym Full Names	cytochrome P450, family 3, subfamily a, polypeptide 23/polypeptide 1
NCBI Official Symbol	Cyp3a23/3a1
NCBI Official Synonym Symbols	CYP; RL33; cDEX; Cyp3a1; Cyp3a3; CYP3A23
NCBI Protein Information	cytochrome P450 3A1
UniProt Protein Name	Cytochrome P450 3A1
UniProt Gene Name	Cyp3a1
UniProt Synonym Gene Names	Cyp3a-1
UniProt Entry Name	CP3A1_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/cyp3a1-rat-elisa-kits/cytochrome-p450-3a1/101428>