

Human Cytochrome P450, family 24, subfamily A, polypeptide 1 ELISA Kit | CYP24A1 elisa kit

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CATALOG #
AAA98558

REACTIVITY
Human

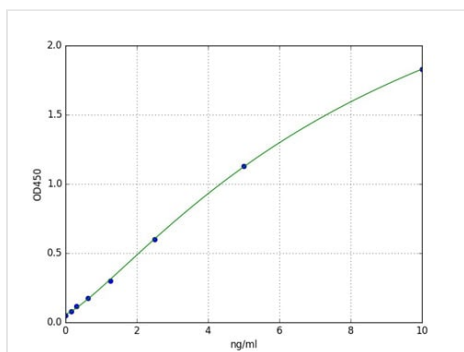
PRODUCT SYNONYMS

Cytochrome P450; family 24; subfamily A; polypeptide 1; Human Cytochrome P450; polypeptide 1 ELISA Kit; CYP24A1/CL1/CLICK1/DCAMKL1/DCDC3A/DCLK; CYP24A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	514
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 CYP24A1 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	0.021	0.125	0.244	0.376	0.772	1.326	2.090	2.370

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP24A1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology anti-Human CYP24A1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CYP24A1 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 CYP24A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CYP24A1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119595979
NCBI GeneID	1591
Molecular Weight	43,051 Da
NCBI Official Full Name	cytochrome P450, family 24, subfamily A, polypeptide 1
NCBI Official Synonym Full Names	cytochrome P450 family 24 subfamily A member 1
NCBI Official Symbol	CYP24A1
NCBI Official Synonym Symbols	CP24; HCAI; CYP24; P450-CC24
NCBI Protein Information	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial
UniProt Protein Name	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial
UniProt Gene Name	CYP24A1
UniProt Synonym Gene Names	CYP24; 24-OHase; Vitamin D(3) 24-hydroxylase
UniProt Entry Name	CP24A_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/cyp24a1-human-elisa-kits/cytochrome-p450-family-24-subfamily-a-polypeptide-1/98558>