

Human Cholesterol 7-alpha-monooxygenase ELISA Kit | CYP7A1 elisa kit

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CATALOG #
AAA100986

REACTIVITY
Human

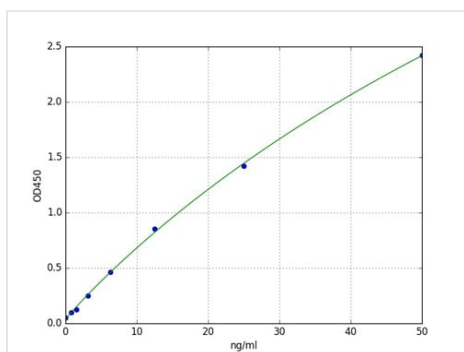
PRODUCT SYNONYMS

Cholesterol 7-alpha-monooxygenase; Human Cholesterol 7-alpha-monooxygenase ELISA Kit; CYP7A1 (Cytochrome P450 7A1)/Cholesterol 7-alpha-monooxygenase/CYPVII/Cholesterol 7-alpha-hydroxylase; CYP7A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	512
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/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 CYP7A1 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	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.019	0.095	0.164	0.279	0.518	0.897	1.367	1.997

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP7A1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CYP7A1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CYP7A1 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 CYP7A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CYP7A1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	878278705
NCBI GeneID	101790267
NCBI Accession #	NP_001297280.1
NCBI GenBank Nucleotide #	NM_001310351.1
NCBI Official Full Name	cholesterol 7-alpha-monooxygenase
NCBI Official Symbol	LOC101790267
NCBI Official Synonym Symbols	CYP7A1
NCBI Protein Information	cholesterol 7-alpha-monooxygenase

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/cyp7a1-human-elisa-kits/cholesterol-7-alpha-monooxygenase/100986>