

Rat cytochrome P450, family 7, subfamily A, polypeptide 1 ELISA Kit | CYP7A1 elisa kit

Rat cytochrome P450, family 7, subfamily A, polypeptide 1, CYP7A1 ELISA Kit

CATALOG #
AAA112796

REACTIVITY
Rat

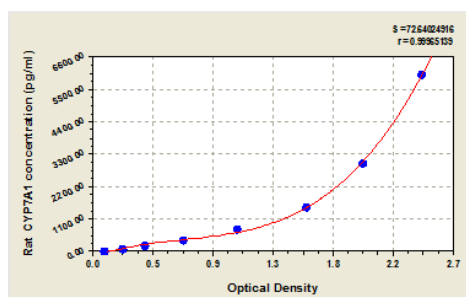
PRODUCT SYNONYMS

cytochrome P450; family 7; subfamily A; polypeptide 1; Rat cytochrome P450; CYP7A1 ELISA Kit; polypeptide 1 (CYP7A1) ELISA kit; CP7A; CYP7; MGC126826; MGC138389; cholesterol 7 alpha-monooxygenase; cholesterol 7-alpha-hydroxylase; subfamily VIIA (cholesterol 7 alpha-monooxygenase); CYP7A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat CYP7A1. No significant cross-reactivity or interference between Rat CYP7A1 and analogues was observed.
Sequence Length	501
Samples	Serum, plasma, tissue homogenates, Cell lysates
Detection Range	93.75 pg/ml-6000 pg/ml
Sensitivity	23.43 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	Lipogenesis and lipometabolism
Protein Biological Process 3	Cholesterol metabolism
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	283135155
NCBI GeneID	100328551
NCBI Accession #	NP_001164400.1
NCBI GenBank Nucleotide #	NM_001170929.1
UniProt Accession #	P51542
Molecular Weight	58,090 Da
NCBI Official Full Name	cholesterol 7-alpha-monooxygenase
NCBI Official Symbol	CYP7A1
NCBI Official Synonym Symbols	CYP7
NCBI Protein Information	cholesterol 7-alpha-monooxygenase; CYPVII; cytochrome P450 7A1; cholesterol 7-alpha-hydroxylase
UniProt Protein Name	Cholesterol 7-alpha-monooxygenase
UniProt Gene Name	CYP7A1
UniProt Synonym Gene Names	CYP7
UniProt Entry Name	CP7A1_RABIT

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-rat-elisa-kits/cytochrome-p450-family-7-subfamily-a-polypeptide-1/112796>