

Human Copper-transporting ATPase 1 ELISA Kit | ATP7A elisa kit

Human Copper-transporting ATPase 1 ELISA Kit

CATALOG #
AAA101394

REACTIVITY
Human

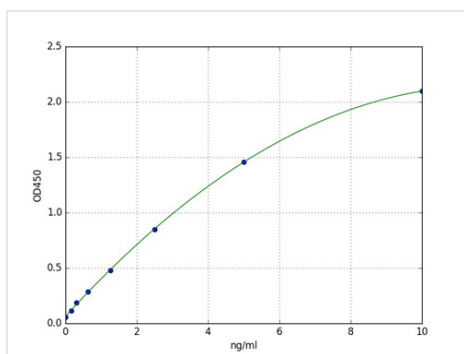
PRODUCT SYNONYMS

Copper-transporting ATPase 1; Human Copper-transporting ATPase 1 ELISA Kit; ATP7A/Copper-transporting ATPase 1/Copper pump 1/Menkes disease-associated protein/MC1/MNK/DSMAX/SMAX3/MK; ATP7A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1500
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 ATP7A 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	0.079	0.133	0.169	0.265	0.451	0.816	1.476	2.023

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP7A elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human ATP7A antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human ATP7A 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 ATP7A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human ATP7A can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	532691750
NCBI GeneID	538
NCBI Accession #	NP_000043.4
NCBI GenBank Nucleotide #	NM_000052.6
Molecular Weight	11,522 Da
NCBI Official Full Name	copper-transporting ATPase 1 isoform 1
NCBI Official Synonym Full Names	ATPase copper transporting alpha
NCBI Official Symbol	ATP7A
NCBI Official Synonym Symbols	MK; MNK; DSMAX; SMAX3
NCBI Protein Information	copper-transporting ATPase 1
UniProt Protein Name	Copper-transporting ATPase 1
UniProt Gene Name	ATP7A
UniProt Synonym Gene Names	MC1; MNK
UniProt Entry Name	ATP7A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/atp7a-human-elisa-kits/copper-transporting-atpase-1/101394>