

Human High affinity copper uptake protein 1 ELISA Kit | SLC31A1 elisa kit

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CATALOG #
AAA102244

REACTIVITY
Human

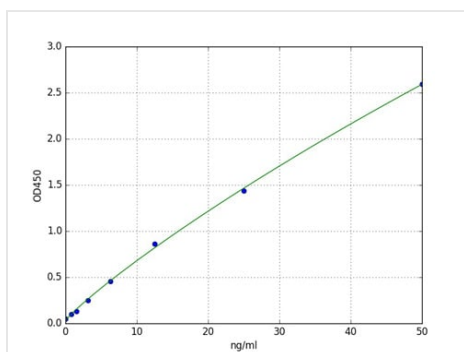
PRODUCT SYNONYMS

High affinity copper uptake protein 1; Human High affinity copper uptake protein 1 ELISA Kit; SLC31A1/High affinity copper uptake protein 1/Copper transporter 1/hCTR1/Solute carrier family 31 member 1/COPT1/CTR1; SLC31A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	190
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/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 SLC31A1 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	0.032	0.089	0.152	0.285	0.538	0.895	1.729	2.284

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC31A1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human SLC31A1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human SLC31A1 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 SLC31A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human SLC31A1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507015
NCBI GeneID	1317
NCBI Accession #	NP_001850.1
NCBI GenBank Nucleotide #	NM_001859.3
Molecular Weight	21,091 Da
NCBI Official Full Name	high affinity copper uptake protein 1
NCBI Official Synonym Full Names	solute carrier family 31 member 1
NCBI Official Symbol	SLC31A1
NCBI Official Synonym Symbols	CTR1; COPT1
NCBI Protein Information	high affinity copper uptake protein 1
UniProt Protein Name	High affinity copper uptake protein 1
UniProt Gene Name	SLC31A1
UniProt Synonym Gene Names	COPT1; CTR1; hCTR1
UniProt Entry Name	COPT1_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/slc31a1-human-elisa-kits/high-affinity-copper-uptake-protein-1/102244>