

Human Zinc transporter 1 ELISA Kit | SLC30A1 elisa kit

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CATALOG #
AAA97904

REACTIVITY
Human

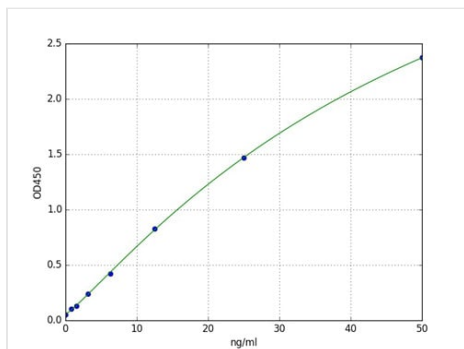
PRODUCT SYNONYMS

Zinc transporter 1; Human Zinc transporter 1 ELISA Kit; SLC30A1/Zinc transporter 1/ZnT-1/Solute carrier family 30 member 1; SLC30A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	507
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 SLC30A1 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	0.046	0.091	0.121	0.219	0.395	0.746	1.334	2.225

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC30A1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-SLC30A1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-SLC30A1 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 SLC30A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of SLC30A1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

52352803

NCBI GeneID	7779
NCBI Accession #	NP_067017.2
NCBI GenBank Nucleotide #	NM_021194.2
Molecular Weight	55,300 Da
NCBI Official Full Name	zinc transporter 1
NCBI Official Synonym Full Names	solute carrier family 30 member 1
NCBI Official Symbol	SLC30A1
NCBI Official Synonym Symbols	ZNT1; ZRC1
NCBI Protein Information	zinc transporter 1
UniProt Protein Name	Zinc transporter 1
UniProt Gene Name	SLC30A1
UniProt Synonym Gene Names	ZNT1; ZnT-1
UniProt Entry Name	ZNT1_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/slc30a1-human-elisa-kits/zinc-transporter-1/97904>