

Human Zinc transporter 8 ELISA Kit | SLC30A8 elisa kit

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CATALOG #
AAA98748

REACTIVITY
Human

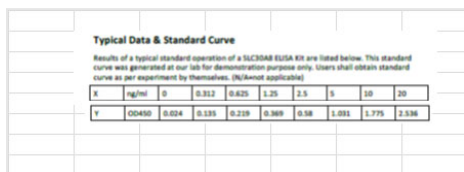
PRODUCT SYNONYMS

Zinc transporter 8; Human Zinc transporter 8 ELISA Kit; ZNT8/SLC30A8/ZnT-8/Solute carrier family 30 member 8/zinc transporter 8/zinc transporter ZnT-8; SLC30A8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC30A8. No significant cross-reactivity or interference between SLC30A8 and analogues was observed.
Sequence Length	367
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
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SLC30A8 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SLC30A8 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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)

ADDITIONAL INFORMATION

Related Product Information for SLC30A8 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-SLC30A8 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- SLC30A8 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin 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 SLC30A8 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of SLC30A8 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27370218
NCBI GeneID	239436
NCBI Accession #	NP_766404.1
NCBI GenBank Nucleotide #	NM_172816.3
Molecular Weight	40,223 Da
NCBI Official Full Name	zinc transporter 8
NCBI Official Synonym Full Names	solute carrier family 30 (zinc transporter), member 8
NCBI Official Symbol	Slc30a8
NCBI Official Synonym Symbols	ZnT8; ZnT-8; C820002P14Rik
NCBI Protein Information	zinc transporter 8
UniProt Protein Name	Zinc transporter 8
UniProt Gene Name	Slc30a8
UniProt Synonym Gene Names	Znt8; ZnT-8
UniProt Entry Name	ZNT8_MOUSE

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/slc30a8-human-elisa-kits/zinc-transporter-8/98748>