

Human Zinc Transporter 8 (SLC30A8) ELISA Kit | ZNT8 elisa kit

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CATALOG #
AAA330815

REACTIVITY
Human

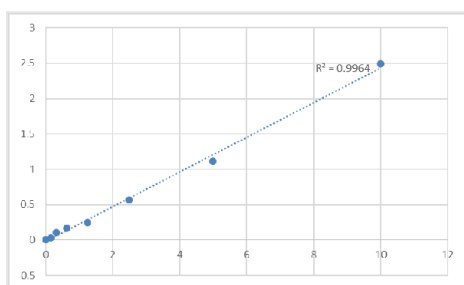
PRODUCT SYNONYMS

Zinc Transporter 8 (SLC30A8); Human Zinc Transporter 8 (SLC30A8) ELISA Kit; SLC30A8; ZnT-8; solute carrier family 30 member 8; zinc transporter ZnT-8; ZNT8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Zinc transporter 8 (SLC30A8) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC30A8. No significant cross-reactivity or interference between Human SLC30A8 and analogues was observed.
Sequence Length	369
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Zinc transporter 8 (SLC30A8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ZNT8 elisa kit	Description: This Human Zinc transporter 8 (SLC30A8) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC30A8 in samples. An antibody specific for SLC30A8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC30A8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC30A8 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SLC30A8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SLC30A8 is expressed at a high level only in the pancreas, particularly in islets of Langerhans. The protein colocalizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells. Allelic variants of this gene exist that confer susceptibility to diabetes mellitus, noninsulin-dependent. Several transcript variants encoding different isoforms have been found for this gene.It was also expressed in fetal pancreas, islets of Langerhans, and an insulinoma cell line, but not in HeLa cells. Fluorescence-tagged ZNT8 was expressed in a punctate pattern in the cytoplasm of transfected insulinoma cells and HeLa cells. In insulinoma cells, ZNT8 expression overlapped that of insulin, suggesting that ZNT8 is associated with insulin granule secretion.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	64762489
NCBI GeneID	169026
NCBI Accession #	NP_776250
NCBI GenBank Nucleotide #	NP_776250.2
UniProt Accession #	Q8IWU4
NCBI Official Full Name	zinc transporter 8 isoform a
NCBI Official Synonym Full Names	solute carrier family 30 member 8
NCBI Official Symbol	SLC30A8
NCBI Official Synonym Symbols	ZNT8; ZnT-8
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_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/znt8-human-elisa-kits/zinc-transporter-8-slc30a8/330815>