

Human Zinc Transporter 3 (SLC30A3) ELISA Kit | ZNT3 elisa kit

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CATALOG #
AAA330816

REACTIVITY
Human

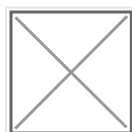
PRODUCT SYNONYMS

Zinc Transporter 3 (SLC30A3); Human Zinc Transporter 3 (SLC30A3) ELISA Kit; SLC30A3; zinc transporter ZnT-3; ZNT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Zinc transporter 3 (SLC30A3) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC30A3. No significant cross-reactivity or interference between Human SLC30A3 and analogues was observed.
Sequence Length	383
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 3 (SLC30A3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ZNT3 elisa kit	Description: This Human Zinc transporter 3 (SLC30A3) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC30A3 in samples. An antibody specific for SLC30A3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC30A3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC30A3 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 SLC30A3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: By screening a human temporal cortex cDNA library with a mouse zinc transporter-3 (Znt3) cDNA, Palmiter et al. (1996) cloned cDNAs encoding ZNT3. The predicted 388-amino acid ZNT3 protein has 6 transmembrane domains, with the N and C termini located in the cytoplasm. The human and mouse ZNT3 proteins are 86% identical. Northern blot and RT-PCR analyses of mouse tissues detected Znt3 transcripts only in brain and testis. By in situ hybridization of mouse brain, Znt3 mRNA was most abundant in the hippocampus and cerebral cortex. Immunohistochemical analysis of brain using antibodies against Znt3 detected protein expression in a pattern similar to that of histochemically localized vesicular zinc.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	974576764
NCBI GeneID	7781
NCBI Accession #	NP_001305878.1
NCBI GenBank Nucleotide #	NP_001305878.1
UniProt Accession #	Q99726
NCBI Official Full Name	zinc transporter 3 isoform b
NCBI Official Synonym Full Names	solute carrier family 30 member 3
NCBI Official Symbol	SLC30A3
NCBI Official Synonym Symbols	ZNT3
NCBI Protein Information	zinc transporter 3
UniProt Protein Name	Zinc transporter 3
UniProt Gene Name	SLC30A3
UniProt Synonym Gene Names	ZNT3; Znt-3

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/znt3-human-elisa-kits/zinc-transporter-3-slc30a3/330816>