

Human Zinc transporter 8 ELISA Kit | SLC30A8 elisa kit

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CATALOG #
AAA191676

REACTIVITY
Human

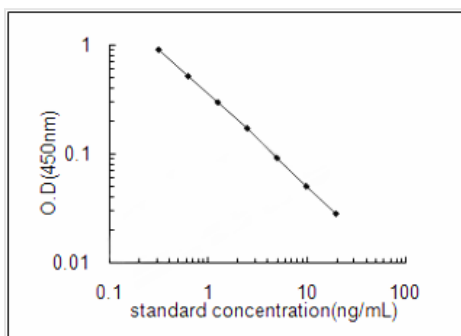
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural HumanZnT-8. No significant cross-reactivity or interference was observed.
Sequence Length	320
Assay Type	Competitive
Detection Range	0.312-20 ng/mL
Sensitivity	0.12ng/mL
Intra-Assay CV	<=4.9%
Inter-Assay CV	<=8.1%
Recovery	98%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC30A8 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of humanZnT-8 concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids. Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassaytechnique. The microtiter plate provided in this kit has been pre-coated with an antibody specific toZnT-8, During the reaction,ZnT-8in the sample or standard competes with a fixed amount of biotin-labeledZnT-8 for sites on a pre-coated Monoclonal antibody specific to ZnT-8. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Thena TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of ZnT-8 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	289803003
NCBI GeneID	169026
NCBI Accession #	NP_001166282.1
NCBI GenBank Nucleotide #	NM_001172811.1
UniProt Accession #	Q8IWU4; Q8TCL3; A0AVP9; A5YM39; B4DPE0
Molecular Weight	35,053 Da
NCBI Official Full Name	zinc transporter 8 isoform b
NCBI Official Synonym Full Names	solute carrier family 30 (zinc transporter), 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.