

Human Zinc Transporter ZIP4 (SLC39A4) ELISA Kit | ZIP4 elisa kit

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CATALOG #
AAA330812

REACTIVITY
Human

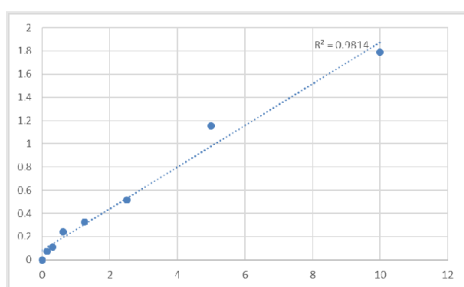
PRODUCT SYNONYMS

Zinc Transporter ZIP4 (SLC39A4); Human Zinc Transporter ZIP4 (SLC39A4) ELISA Kit; SLC39A4; AEZ; FLJ20327; MGC74741; zinc transporter ZIP4; ZIP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Zinc transporter ZIP4 (SLC39A4) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC39A4. No significant cross-reactivity or interference between Human SLC39A4 and analogues was observed.
Sequence Length	622
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 ZIP4 (SLC39A4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ZIP4 elisa kit	Description: This Human Zinc transporter ZIP4 (SLC39A4) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC39A4 in samples. An antibody specific for SLC39A4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC39A4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC39A4 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 SLC39A4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SLC39A4 gene as a candidate intestinal zinc-specific transporter within the susceptibility locus for the zinc-deficiency type of acrodermatitis enteropathica (AEZ) on 8q24.3. The gene is expressed as an mRNA of 2.5 kb in only a few tissues, i.e., kidney, colon, duodenum and jejunum. The duodenum and jejunum are crucial sites of zinc absorption. These transcripts encode proteins of 647 and 622 amino acids sharing the same C-terminal 583 residues. Computational analysis predicted that the larger protein has a cytoplasmic membrane location and a secondary structure characteristic of a ZIP protein, consisting of 8 transmembrane domains organized in 2 blocks of 3 and 5, respectively. These 2 blocks are separated by a variable intracytoplasmic metal-binding site.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115430259
NCBI GeneID	55630
NCBI Accession #	NP_060237.2
NCBI GenBank Nucleotide #	NP_060237.2
UniProt Accession #	Q6P5W5
NCBI Official Full Name	zinc transporter ZIP4 isoform 1
NCBI Official Synonym Full Names	solute carrier family 39 member 4
NCBI Official Symbol	SLC39A4
NCBI Official Synonym Symbols	AEZ; ZIP4; AWMS2
NCBI Protein Information	zinc transporter ZIP4
UniProt Protein Name	Zinc transporter ZIP4
UniProt Gene Name	SLC39A4
UniProt Synonym Gene Names	ZIP4; ZIP-4
UniProt Entry Name	S39A4_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/human-elisa-kits/zinc-transporter-zip4-slc39a4/330812>