

Human Solute Carrier Family 39, Member 4 (SLC39A4) ELISA Kit | SLC39A4 elisa kit

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CATALOG #
AAA148644

REACTIVITY
Human

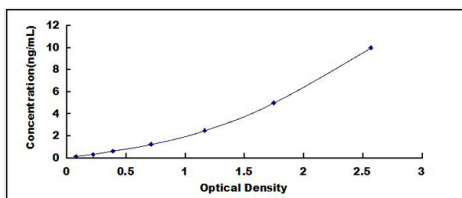
PRODUCT SYNONYMS

Solute Carrier Family 39; Member 4 (SLC39A4); Human Solute Carrier Family 39; Member 4 (SLC39A4) ELISA Kit; ZIP4; AEZ; Acrodermatitis Enteropathica; Zinc-Deficiency Type; Zinc Transporter Protein 4; Zinc transporter ZIP4; Zrt-and Irt-like protein 4; SLC39A4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Solute Carrier Family 39, Member 4 (SLC39A4). No significant cross-reactivity or interference between Solute Carrier Family 39, Member 4 (SLC39A4) and analogues was observed.
Sequence Length	622
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.056ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Solute Carrier Family 39, Member 4 (SLC39A4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Solute Carrier Family 39, Member 4 (SLC39A4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC39A4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Solute Carrier Family 39, Member 4 (SLC39A4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Solute Carrier Family 39, Member 4 (SLC39A4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Solute Carrier Family 39, Member 4 (SLC39A4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Solute Carrier Family 39, Member 4 (SLC39A4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SLC39A4 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	115430259
NCBI GeneID	55630
NCBI Accession #	NP_060237.2
NCBI GenBank Nucleotide #	NM_017767.2
UniProt Accession #	Q6P5W5; Q7L5S5; Q9H6T8; Q9NXC4
Molecular Weight	66,178 Da
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

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/solute-carrier-family-39-member-4-slc39a4/148644>