

Mouse Solute Carrier Family 30 Member 4 (SLC30A4) ELISA Kit | SLC30A4 elisa kit

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CATALOG #
AAA66847

REACTIVITY
Mouse

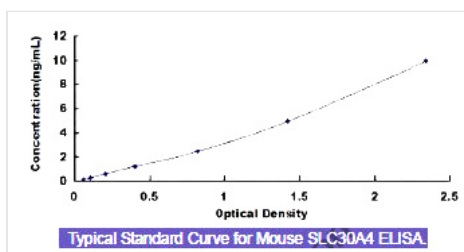
PRODUCT SYNONYMS

Solute Carrier Family 30 Member 4 (SLC30A4); Mouse Solute Carrier Family 30 Member 4 (SLC30A4) ELISA Kit; ZNT4; Zinc Transporter 4; SLC30A4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC30A4. No significant cross-reactivity or interference between SLC30A4 and analogues was observed.
Sequence Length	381
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SLC30A4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SLC30A4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC30A4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SLC30A4 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SLC30A4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SLC30A4. 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 SLC30A4, 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 SLC30A4 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 #	597436881
NCBI GeneID	22785
NCBI Accession #	NP_001277922.1
NCBI GenBank Nucleotide #	NM_001290993.1
UniProt Accession #	O35149; O35154; Q3UYZ9
Molecular Weight	47,800 Da
NCBI Official Full Name	zinc transporter 4 isoform b
NCBI Official Synonym Full Names	solute carrier family 30 (zinc transporter), member 4
NCBI Official Symbol	Slc30a4
NCBI Official Synonym Symbols	Im; Znt4; znT-4
NCBI Protein Information	zinc transporter 4
UniProt Protein Name	Zinc transporter 4
UniProt Gene Name	Slc30a4
UniProt Synonym Gene Names	Lm; Znt4; ZnT-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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/solute-carrier-family-30-member-4-slc30a4/66847>