

Rat Solute Carrier Family 30, Member 1 (SLC30A1) ELISA Kit | SLC30A1 elisa kit

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CATALOG #
AAA68699

REACTIVITY
Rat

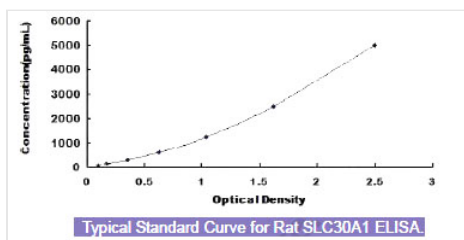
PRODUCT SYNONYMS

Solute Carrier Family 30; Member 1 (SLC30A1); Rat Solute Carrier Family 30; Member 1 (SLC30A1) ELISA Kit; ZNT1; ZRC1; Zinc Transporter 1; SLC30A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC30A1. No significant cross-reactivity or interference between SLC30A1 and analogues was observed.
Sequence Length	507
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	<32pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SLC30A1 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 SLC30A1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC30A1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SLC30A1 in rat tissue homogenates, cell lysates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SLC30A1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SLC30A1. 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 SLC30A1, 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 SLC30A1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12408302
NCBI GeneID	58976
NCBI Accession #	NP_074044.1
NCBI GenBank Nucleotide #	NM_022853.2
UniProt Accession #	Q62720
Molecular Weight	55,143 Da
NCBI Official Full Name	zinc transporter 1
NCBI Official Synonym Full Names	solute carrier family 30 member 1
NCBI Official Symbol	Slc30a1
NCBI Protein Information	zinc transporter 1
UniProt Protein Name	Zinc transporter 1
UniProt Gene Name	Slc30a1
UniProt Synonym Gene Names	Znt1; ZnT-1

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/rat-elisa-kits/solute-carrier-family-30-member-1-slc30a1/68699>