

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

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CATALOG #
AAA68703

REACTIVITY
Rat

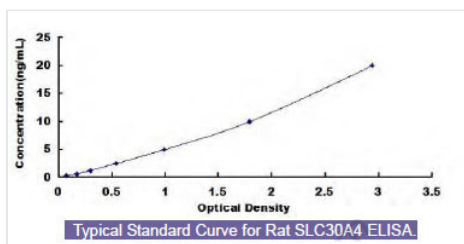
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	430
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.126ng/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%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC30A4 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SLC30A4 in rat tissue homogenates or 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25453384
NCBI GeneID	64469
NCBI Accession #	NP_742063.1
NCBI GenBank Nucleotide #	NM_172066.1
UniProt Accession #	O55174
Molecular Weight	47,702 Da
NCBI Official Full Name	zinc transporter 4
NCBI Official Synonym Full Names	solute carrier family 30 member 4
NCBI Official Symbol	Slc30a4
NCBI Protein Information	zinc transporter 4
UniProt Protein Name	Zinc transporter 4
UniProt Gene Name	Slc30a4
UniProt Synonym Gene Names	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/rat-elisa-kits/solute-carrier-family-30-member-4-slc30a4/68703>