

Rat Solute Carrier Family 30, Member 3 (SLC30A3) ELISA Kit | SLC30A3 elisa kit

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CATALOG #
AAA68701

REACTIVITY
Rat

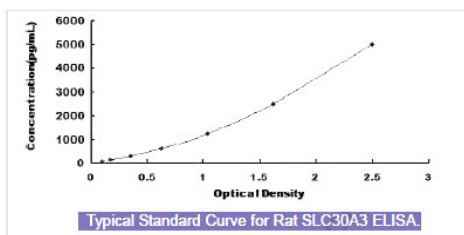
PRODUCT SYNONYMS

Solute Carrier Family 30; Member 3 (SLC30A3); Rat Solute Carrier Family 30; Member 3 (SLC30A3) ELISA Kit; ZNT3; Zinc Transporter 3; SLC30A3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC30A3. No significant cross-reactivity or interference between SLC30A3 and analogues was observed.
Sequence Length	388
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	<32.7pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SLC30A3 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 SLC30A3 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 SLC30A3 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SLC30A3 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 SLC30A3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SLC30A3. 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 SLC30A3, 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 SLC30A3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61557417
NCBI GeneID	366568
NCBI Accession #	NP_001013261.1
NCBI GenBank Nucleotide #	NM_001013243.1
UniProt Accession #	Q6QIX3; Q5RJT1
Molecular Weight	36,850 Da
NCBI Official Full Name	zinc transporter 3
NCBI Official Synonym Full Names	solute carrier family 30 member 3
NCBI Official Symbol	Slc30a3
NCBI Official Synonym Symbols	ZnT3
NCBI Protein Information	zinc transporter 3
UniProt Protein Name	Zinc transporter 3
UniProt Gene Name	Slc30a3
UniProt Synonym Gene Names	Znt3; ZnT-3

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/rat-elisa-kits/solute-carrier-family-30-member-3-slc30a3/68701>