

Human Sodium/calcium exchanger 1 ELISA Kit | SLC8A1 elisa kit

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CATALOG #
AAA100935

REACTIVITY
Human

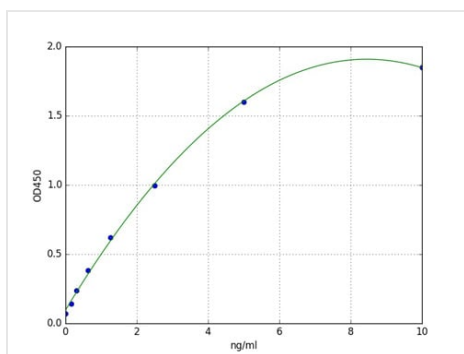
PRODUCT SYNONYMS

Sodium/calcium exchanger 1; Human Sodium/calcium exchanger 1 ELISA Kit; SLC8A1/CNC/NCX1/Sodium/calcium exchanger 1/Solute carrier family 8 member 1; SLC8A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	973
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a SLC8A1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.088	0.149	0.206	0.306	0.536	0.922	1.553	2.306

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC8A1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-SLC8A1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- SLC8A1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the SLC8A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of SLC8A1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863913
NCBI GeneID	6546
NCBI Accession #	NP_066920.1
NCBI GenBank Nucleotide #	NM_021097.2
Molecular Weight	107,938 Da
NCBI Official Full Name	sodium/calcium exchanger 1 isoform A
NCBI Official Synonym Full Names	solute carrier family 8 member 1
NCBI Official Symbol	SLC8A1
NCBI Official Synonym Symbols	NCX1
NCBI Protein Information	sodium/calcium exchanger 1
UniProt Protein Name	Sodium/calcium exchanger 1
UniProt Gene Name	SLC8A1
UniProt Entry Name	NAC1_HUMAN

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/slc8a1-human-elisa-kits/sodium-calcium-exchanger-1/100935>