

Mouse Sodium/calcium exchanger 1 ELISA Kit | Slc8a1 elisa kit

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CATALOG #
AAA192708

REACTIVITY
Mouse

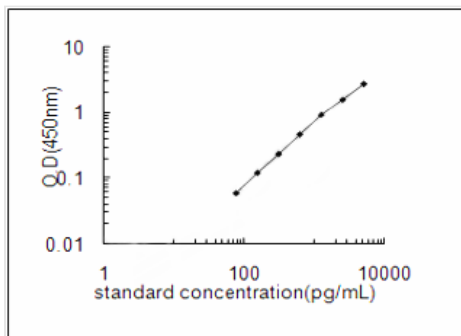
PRODUCT SYNONYMS

Sodium/calcium exchanger 1; Mouse Sodium/calcium exchanger 1 ELISA Kit; Na(+)/Ca(2+)-exchange protein 1; Slc8a1; Ncx; Solute carrier family 8 member 1; Slc8a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural mouse Sodium/calcium exchanger 1. No significant cross-reactivity or interference was observed.
Sequence Length	970
Assay Type	Sandwich
Detection Range	78-5000 pg/ml
Sensitivity	39.6 pg/mL
Intra-Assay CV	<=6.0%
Inter-Assay CV	<=8.9%
Recovery	97%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Slc8a1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of mouse Sodium/calcium exchanger 1 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay The microtiter plate provided in this kit has been pre-coated with an antibody specific to Sodium/calcium exchanger 1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Sodium/calcium exchanger 1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Sodium/calcium exchanger 1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Sodium/calcium exchanger 1 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 #	119120890
NCBI GeneID	20541
NCBI Accession #	NP_035536.2
NCBI GenBank Nucleotide #	NM_011406.3
UniProt Accession #	P70414
Molecular Weight	108,035 Da
NCBI Official Full Name	sodium/calcium exchanger 1 isoform A
NCBI Official Synonym Full Names	solute carrier family 8 (sodium/calcium exchanger), member 1
NCBI Official Symbol	Slc8a1
NCBI Official Synonym Symbols	Ncx1; AI852629; AV344025; D930008O12Rik
NCBI Protein Information	sodium/calcium exchanger 1
UniProt Protein Name	Sodium/calcium exchanger 1
UniProt Gene Name	Slc8a1
UniProt Synonym Gene Names	Ncx
UniProt Entry Name	NAC1_MOUSE

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.