

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

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CATALOG #
AAA191656

REACTIVITY
Rat

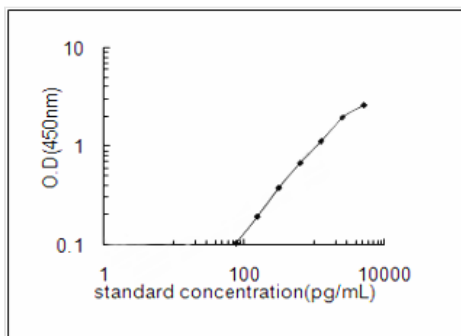
PRODUCT SYNONYMS

Sodium/calcium exchanger 1; Rat Sodium/calcium exchanger 1 ELISA Kit; Na(+)/Ca(2+)-exchange protein 1; Slc8a1; Ncx1; Solute carrier family 8 member 1; Slc8a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat Sodium/calcium exchanger 1. No significant cross-reactivity or interference was observed.
Sequence Length	935
Samples	Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids
Detection Range	78.0 pg/mL -5000 pg/mL.
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 rat 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 $\pm$ 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	398650632
NCBI GeneID	29715
NCBI Accession #	NP_001257701.1
NCBI GenBank Nucleotide #	NM_001270772.1
UniProt Accession #	Q01728; Q924Y2; Q9QW49; Q9R238; Q9R239; Q9WU29; Q9WU30
Molecular Weight	108,126 Da
NCBI Official Full Name	sodium/calcium exchanger 1 isoform 2
NCBI Official Synonym Full Names	solute carrier family 8 member 1
NCBI Official Symbol	Slc8a1
NCBI Official Synonym Symbols	Ncx; Ncx1
NCBI Protein Information	sodium/calcium exchanger 1
UniProt Protein Name	Sodium/calcium exchanger 1
UniProt Gene Name	Slc8a1
UniProt Synonym Gene Names	Ncx1
UniProt Entry Name	NAC1_RAT

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-rat-elisa-kits/sodium-calcium-exchanger-1/191656>