

Rabbit Na⁺/Ca²⁺exchanger ELISA Kit | NCX elisa kit

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CATALOG #
AAA96627

REACTIVITY
Rabbit

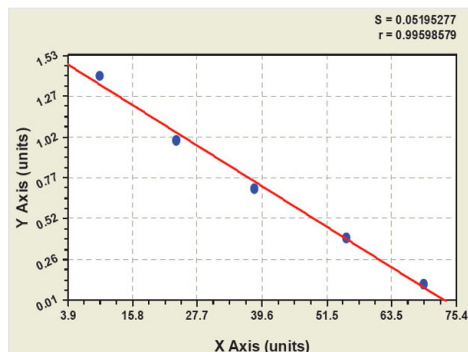
PRODUCT SYNONYMS

Na⁺/Ca²⁺exchanger; Rabbit Na⁺/Ca²⁺exchanger ELISA Kit; NCX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NCX elisa kit

Principle of the assay: NCX ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NCX antibody and an NCX-HRP conjugate. The assay sample and buffer are incubated together with NCX-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NCX concentration since NCX from samples and NCX-HRP conjugate compete for the anti-NCX antibody binding site. Since the number of sites is limited, as more sites are occupied by NCX from the sample, fewer sites are left to bind NCX-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NCX concentration in each sample is interpolated from this standard curve.

Product Categories/Family for NCX elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	1008973
NCBI GeneID	6546
Molecular Weight	107,938 Da
NCBI Official Full Name	Na ⁺ /Ca ²⁺ exchanger, partial
NCBI Official Synonym Full Names	solute carrier family 8 (sodium/calcium exchanger), member 1
NCBI Official Symbol	SLC8A1
NCBI Official Synonym Symbols	NCX1
NCBI Protein Information	sodium/calcium exchanger 1; Na ⁺ /Ca ⁺⁺ exchanger; Na ⁺ /Ca ²⁺ exchanger; Na(+)/Ca(2+)-exchange protein 1; solute carrier family 8 member 1
UniProt Protein Name	Sodium/calcium exchanger 1
UniProt Gene Name	SLC8A1
UniProt Synonym Gene Names	CNC; NCX1
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/ncx-rabbit-elisa-kits/na-ca2exchanger/96627>