

Rat Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a) ELISA Kit | SCNN1a elisa kit

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CATALOG # AAA66157	REACTIVITY Rat
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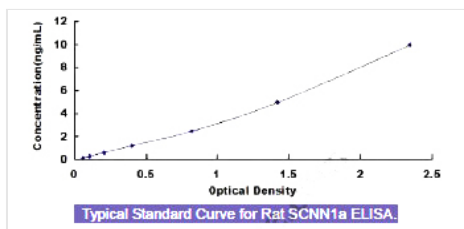
PRODUCT SYNONYMS

Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a); Rat Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a) ELISA Kit; ENaCa; ENaCalpha; SCNEA; SCNN1; Sodium Channel; Nonvoltage-Gated 1; Alpha; Epithelial Na(+) channel subunit alpha; Nonvoltage-gated sodium channel 1 subunit alpha; SCNN1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SCNN1a. No significant cross-reactivity or interference between SCNN1a and analogues was observed.
Sequence Length	699
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SCNN1a 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 SCNN1a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCNN1a elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SCNN1a in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SCNN1a. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SCNN1a. 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 SCNN1a, 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 SCNN1a 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 #	13928742
NCBI GeneID	25122
NCBI Accession #	NP_113736.1
NCBI GenBank Nucleotide #	NM_031548.2
UniProt Accession #	P37089; Q64593; Q9QUI4
Molecular Weight	78,888 Da
NCBI Official Full Name	amiloride-sensitive sodium channel subunit alpha
NCBI Official Synonym Full Names	sodium channel epithelial 1 alpha subunit
NCBI Official Symbol	Scnn1a
NCBI Official Synonym Symbols	ENaCA
NCBI Protein Information	amiloride-sensitive sodium channel subunit alpha
UniProt Protein Name	Amiloride-sensitive sodium channel subunit alpha
UniProt Gene Name	Scnn1a
UniProt Synonym Gene Names	Renac; Alpha-ENaC

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://www.aaabiotech.com/rat-elisa-kits/amiloride-sensitive-sodium-channel-subunit-alpha-scnn1a/66157>