

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

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CATALOG # AAA186230	REACTIVITY Human
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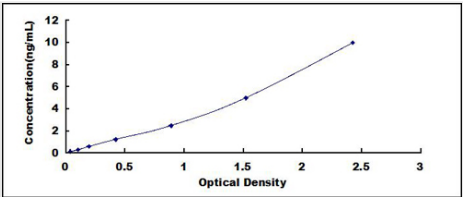
PRODUCT SYNONYMS

Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a). No significant cross-reactivity or interference between Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a) and analogues was observed.
Sequence Length	698
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCNN1a elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Amiloride Sensitive Sodium Channel Subunit Alpha (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 Amiloride Sensitive Sodium Channel Subunit Alpha (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 $\pm$ 10nm. The concentration of Amiloride Sensitive Sodium Channel Subunit Alpha (SCNN1a) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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.