

Human Amiloride Sensitive Sodium Channel Subunit Beta (SCNN1b) ELISA Kit | SCNN1b elisa kit

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CATALOG # AAA186229	REACTIVITY Human
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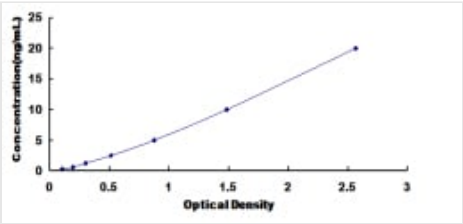
PRODUCT SYNONYMS

Amiloride Sensitive Sodium Channel Subunit Beta (SCNN1b); Human Amiloride Sensitive Sodium Channel Subunit Beta (SCNN1b) ELISA Kit; ENaCb; ENaCbeta; SCNEB; Liddle Syndrome; Sodium Channel; Nonvoltage-Gated 1; Beta; Epithelial Na(+) channel subunit beta; Nonvoltage-gated sodium channel 1 subunit beta; SCNN1b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Amiloride Sensitive Sodium Channel Subunit Beta (SCNN1b). No significant cross-reactivity or interference between Amiloride Sensitive Sodium Channel Subunit Beta (SCNN1b) and analogues was observed.
Sequence Length	685
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.107ng/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 Beta (SCNN1b) 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 Beta (SCNN1b) 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 SCNN1b 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 Beta (SCNN1b). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Amiloride Sensitive Sodium Channel Subunit Beta (SCNN1b). 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 Beta (SCNN1b), 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 Amiloride Sensitive Sodium Channel Subunit Beta (SCNN1b) 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 #	124301196
NCBI GeneID	6338
NCBI Accession #	NP_000327.2
NCBI GenBank Nucleotide #	NM_000336.2
UniProt Accession #	P51168; O60891; Q96KG2; Q9UJ32; Q9UMU5; C5HTZ2
Molecular Weight	77,703 Da
NCBI Official Full Name	amiloride-sensitive sodium channel subunit beta
NCBI Official Synonym Full Names	sodium channel epithelial 1 beta subunit
NCBI Official Symbol	SCNN1B
NCBI Official Synonym Symbols	BESC1; ENaCb; SCNEB; ENaCbeta
NCBI Protein Information	amiloride-sensitive sodium channel subunit beta
UniProt Protein Name	Amiloride-sensitive sodium channel subunit beta
UniProt Gene Name	SCNN1B
UniProt Synonym Gene Names	Beta-ENaC; ENaCB

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.