Human Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g) ELISA Kit | SCNN1g elisa kit

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CATALOG #	REACTIVITY
AAA135621	**Human**

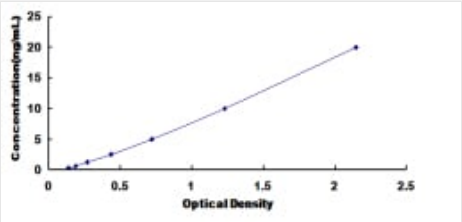
PRODUCT SYNONYMS

Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g); Human Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g) ELISA Kit; ENaCg; ENaCgamma; PHA1; SCNEG; Sodium Channel; Nonvoltage-Gated 1; Alpha; Epithelial Na(+) channel subunit gamma; Nonvoltage-gated sodium channel 1 subunit gamma; SCNN1g elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g). No significant cross-reactivity or interference between Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g) and analogues was observed.
Sequence Length	649
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.112ng/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 Gamma (SCNN1g) 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 Gamma (SCNN1g) 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 SCNN1g 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 Gamma (SCNN1g). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g). 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 Gamma (SCNN1g), 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 Gamma (SCNN1g) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SCNN1g elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	42476333
NCBI GeneID	6340
NCBI Accession #	NP_001030.2
NCBI GenBank Nucleotide #	NM_001039.3
UniProt Accession #	P51170; P78437; Q6PCC2; Q93023; Q93024; Q93025; Q93026; Q93027; Q96TD2
Molecular Weight	74,270 Da
NCBI Official Full Name	amiloride-sensitive sodium channel subunit gamma
NCBI Official Synonym Full Names	sodium channel, non voltage gated 1 gamma subunit
NCBI Official Symbol	SCNN1G
NCBI Official Synonym Symbols	PHA1; BESC3; ENaCg; SCNEG; ENaCgamma
NCBI Protein Information	amiloride-sensitive sodium channel subunit gamma
UniProt Protein Name	Amiloride-sensitive sodium channel subunit gamma
UniProt Gene Name	**SCNN1G**
UniProt Synonym Gene Names	ENaCG; Gamma-ENaC
UniProt Entry Name	SCNNG_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://www.aaabiotech.com/human-elisa-kits/amiloride-sensitive-sodium-channel-subunit-gamma-scnn1g/135621