

Human Amiloride-Sensitive Sodium Channel Subunit alpha (SCNN1A) ELISA Kit | SCNN1A elisa kit

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CATALOG #
AAA330944

REACTIVITY
Human

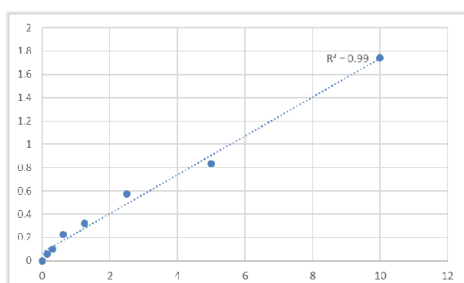
PRODUCT SYNONYMS

Amiloride-Sensitive Sodium Channel Subunit alpha (SCNN1A); Human Amiloride-Sensitive Sodium Channel Subunit alpha (SCNN1A) ELISA Kit; SCNN1A; BESC2; ENaCa; ENaCalpha; FLJ21883; SCNEA; SCNN1; alpha ENaC-2; amiloride-sensitive epithelial sodium channel alpha subunit; amiloride-sensitive sodium channel subunit alpha 2; nasal epithelial sodium c; SCNN1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Amiloride-sensitive sodium channel subunit alpha (SCNN1A) ELISA Kit has high sensitivity and excellent specificity for detection of Human SCNN1A. No significant cross-reactivity or interference between Human SCNN1A and analogues was observed.
Sequence Length	669
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Amiloride-sensitive sodium channel subunit alpha (SCNN1A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SCNN1A elisa kit	Description: This Human Amiloride-sensitive sodium channel subunit alpha (SCNN1A) ELISA Kit employs a two-site sandwich ELISA to quantitate SCNN1A in samples. An antibody specific for SCNN1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SCNN1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SCNN1A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SCNN1A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Nonvoltage-gated, amiloride-sensitive, sodium channels control fluid and electrolyte transport across epithelia in many organs. Amiloride Sensitive Sodium Channel Subunit Alpha is the alpha subunit, and mutations in this gene have been associated with pseudohypoaldosteronism type 1 (PHA1), a rare salt wasting disease resulting from target organ unresponsiveness to mineralocorticoids. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. Highly expressed in kidney and lung. Detected at intermediate levels in pancreas and liver, and at low levels in heart and placenta. Isoform 1 and isoform 2 predominate in all tissues. Expression of isoform 3, isoform 4 and isoform 5 is very low or not detectable, except in lung and heart.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506815
NCBI GeneID	6337
NCBI Accession #	NP_001029
NCBI GenBank Nucleotide #	NP_001029.1
UniProt Accession #	P37088
NCBI Official Full Name	amiloride-sensitive sodium channel subunit alpha isoform 1
NCBI Official Synonym Full Names	sodium channel epithelial 1 alpha subunit
NCBI Official Symbol	SCNN1A
NCBI Official Synonym Symbols	BESC2; ENaCa; SCNEA; SCNN1; LIDLS3; ENaCalpha
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	SCNN1; Alpha-ENaC; ENaCA
UniProt Entry Name	SCNNA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/amiloride-sensitive-sodium-channel-subunit-alpha-scnn1a/330944>