

Mouse Amiloride-sensitive sodium channel subunit alpha (SCNN1A) ELISA Kit | SCNN1A elisa kit

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CATALOG #
AAA245609

REACTIVITY
Mouse

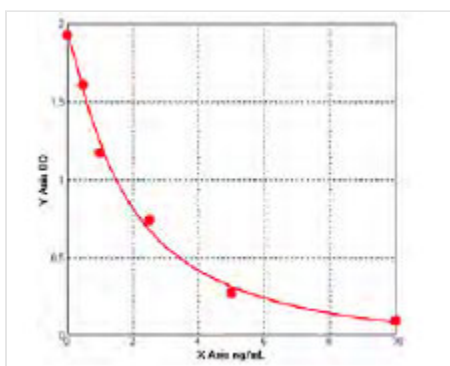
PRODUCT SYNONYMS

Amiloride-sensitive sodium channel subunit alpha (SCNN1A); Mouse Amiloride-sensitive sodium channel subunit alpha (SCNN1A) ELISA Kit; SCNN1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SCNN1A and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCNN1A elisa kit	Intended Uses: This SCNN1A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseSCNN1A. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: SCNN1A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SCNN1A antibody and an SCNN1A-HRP conjugate. The assay sample and buffer are incubated together with SCNN1A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SCNN1A concentration since SCNN1A from samples and SCNN1A-HRP conjugate compete for the anti-SCNN1A antibody binding site. Since the number of sites is limited, as more sites are occupied by SCNN1A from the sample, fewer sites are left to bind SCNN1A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SCNN1A concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SCNN1A elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	585966
NCBI GeneID	6337
Molecular Weight	78,234 Da
NCBI Official Full Name	Amiloride-sensitive sodium channel subunit alpha
NCBI Official Synonym Full Names	sodium channel, non-voltage-gated 1 alpha subunit
NCBI Official Symbol	SCNN1A
NCBI Official Synonym Symbols	BESC2; ENaCa; SCNEA; SCNN1; ENaCalpha
NCBI Protein Information	amiloride-sensitive sodium channel subunit alpha; alpha-ENaC; alpha-NaCH; alpha ENaC-2; epithelial Na(+) channel subunit alpha; sodium channel, nonvoltage-gated 1 alpha; nasal epithelial sodium channel alpha subunit; nonvoltage-gated sodium channel 1 subunit alpha; amiloride-sensitive sodium channel subunit alpha 2; amiloride-sensitive epithelial sodium channel alpha subunit
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.