

Human Sodium Leak Channel Non-Selective Protein (NALCN) ELISA Kit | NALCN elisa kit

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CATALOG #
AAA331547

REACTIVITY
Human

PRODUCT SYNONYMS

Sodium Leak Channel Non-Selective Protein (NALCN); Human Sodium Leak Channel Non-Selective Protein (NALCN) ELISA Kit; NALCN; Canlon; FLJ23913; FLJ44659; FLJ44764; MGC74524; VGCNL1; bA430M15.1; four repeat voltage-gated ion channel; voltage gated channel like 1; NALCN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sodium leak channel non-selective protein (NALCN) ELISA Kit has high sensitivity and excellent specificity for detection of Human NALCN. No significant cross-reactivity or interference between Human NALCN and analogues was observed.
Sequence Length	1738
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * 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 Sodium leak channel non-selective protein (NALCN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NALCN elisa kit	<p>Description: This Human Sodium leak channel non-selective protein (NALCN) ELISA Kit employs a two-site sandwich ELISA to quantitate NALCN in samples. An antibody specific for NALCN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NALCN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NALCN 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 NALCN bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: NALCN encodes a voltage-independent, nonselective cation channel which belongs to a family of voltage-gated sodium and calcium channels that regulates the resting membrane potential and excitability of neurons. This family is expressed throughout the nervous system and conducts a persistent sodium leak current that contributes to tonic neuronal excitability. Sodium leak channel non-selective protein forms a channelosome complex that includes G-protein-coupled receptors, UNC-79, UNC-80, NCA localization factor-1, and src family tyrosine kinases. Naturally occurring mutations in NALCN are associated with infantile neuroaxonal dystrophy, infantile hypotonia with psychomotor retardation and characteristic facies (IHPRF) syndrome, and congenital contractures of the limbs and face with hypotonia and developmental delay (CLIFAHDD) syndrome. A knockout of the orthologous gene in mice results in paralysis with a severely disrupted respiratory rhythm, and lethality within 24 hours after birth.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24119274
NCBI GeneID	259232
NCBI Accession #	NP_443099.1
NCBI GenBank Nucleotide #	NP_443099.1
UniProt Accession #	Q8IZF0
NCBI Official Full Name	sodium leak channel non-selective protein isoform 2
NCBI Official Synonym Full Names	sodium leak channel, non-selective
NCBI Official Symbol	NALCN
NCBI Official Synonym Symbols	IHPRF; INNFD; Canlon; IHPRF1; VGCNL1; CLIFAHDD; bA430M15.1
NCBI Protein Information	sodium leak channel non-selective protein
UniProt Protein Name	Sodium leak channel non-selective protein
UniProt Gene Name	NALCN
UniProt Synonym Gene Names	VGCNL1
UniProt Entry Name	NALCN_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://stage.aaabiotech.com/human-elisa-kits/sodium-leak-channel-non-selective-protein-nalcn/331547>