

Human Sodium/Hydrogen Exchanger 1 (SLC9A1) ELISA Kit | SLC9A1 elisa kit

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CATALOG #
AAA330795

REACTIVITY
Human

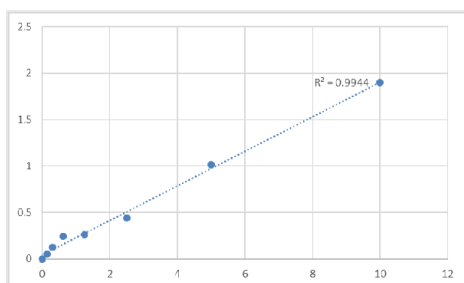
PRODUCT SYNONYMS

Sodium/Hydrogen Exchanger 1 (SLC9A1); Human Sodium/Hydrogen Exchanger 1 (SLC9A1) ELISA Kit; SLC9A1; RP4-633N17.1; APNH; FLJ42224; NHE1; Na⁺/H⁺ antiporter; amiloride-sensitive; Na-Li countertransporter; sodium/hydrogen exchanger 1; solute carrier family 9 (sodium/hydrogen exchanger); isoform 1 (antipo; SLC9A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sodium/hydrogen exchanger 1 (SLC9A1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC9A1. No significant cross-reactivity or interference between Human SLC9A1 and analogues was observed.
Sequence Length	815
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 Sodium/hydrogen exchanger 1 (SLC9A1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC9A1 elisa kit	Description: This Human Sodium/hydrogen exchanger 1 (SLC9A1) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC9A1 in samples. An antibody specific for SLC9A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC9A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC9A1 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 SLC9A1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The antiporter is a ubiquitous membrane-bound enzyme involved in volume- and pH-regulation of vertebrate cells. It is inhibited by the non-specific diuretic drug amiloride and activated by a variety of signals including growth factors, mitogens, neurotransmitters, tumor promoters, and others. The gene was first disrupted in mouse fibroblasts. The lost function was then restored by transfection with human genomic DNA. Clones containing these specific human sequences were isolated. One genomic fragment was identified as an exon-coding sequence from the sodium-hydrogen ion antiporter gene by demonstration that it could complement antiporter deficiency in mouse cells; that it recognized an mRNA in cells expressing antiport activity but not in deficient cells; and that it was amplified in variants overexpressing antiport activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	127809
NCBI GeneID	6548
UniProt Accession #	P19634
NCBI Official Full Name	Sodium/hydrogen exchanger 1
NCBI Official Synonym Full Names	solute carrier family 9 member A1
NCBI Official Symbol	SLC9A1
NCBI Official Synonym Symbols	APNH; NHE1; LIKNS; NHE-1; PPP1R143
NCBI Protein Information	sodium/hydrogen exchanger 1
UniProt Protein Name	Sodium/hydrogen exchanger 1
UniProt Gene Name	SLC9A1
UniProt Synonym Gene Names	APNH1; NHE1; NHE-1
UniProt Entry Name	SL9A1_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-hydrogen-exchanger-1-slc9a1/330795>