

Human Sodium/Bile Acid Cotransporter (SLC10A1) ELISA Kit | SLC10A1 elisa kit

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CATALOG #
AAA330854

REACTIVITY
Human

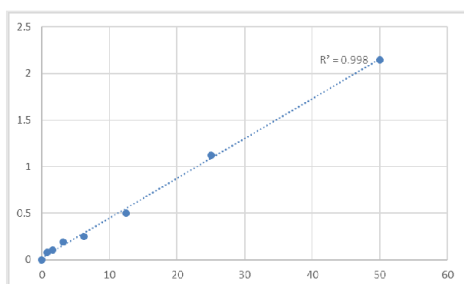
PRODUCT SYNONYMS

Sodium/Bile Acid Cotransporter (SLC10A1); Human Sodium/Bile Acid Cotransporter (SLC10A1) ELISA Kit; SLC10A1; NTCP; Na/taurocholate cotransporting polypeptide; growth-inhibiting protein 29; sodium/bile acid cotransporter; sodium/taurocholate cotransporter; solute carrier family 10; member 1; SLC10A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sodium/bile acid cotransporter (SLC10A1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC10A1. No significant cross-reactivity or interference between Human SLC10A1 and analogues was observed.
Sequence Length	349
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/bile acid cotransporter (SLC10A1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC10A1 elisa kit	Description: This Human Sodium/bile acid cotransporter (SLC10A1) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC10A1 in samples. An antibody specific for SLC10A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC10A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC10A1 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 SLC10A1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Sodium/bile acid cotransporters are integral membrane glycoproteins. Two homologous transporters are involved in the reabsorption of bile acids, one absorbing from the intestinal lumen, the bile duct, and the kidney with an apical localization (SLC10A2;), and the other being found in the basolateral membranes of hepatocytes (SLC10A1). SLC10A1 contains an exoplasmic N terminus, an odd number of transmembrane regions, and a cytoplasmic C terminus. Alanine insertion experiments confirmed that 7 of the 9 hydrophobic stretches are membrane-integrated, with secondary structures and transport activity sensitive to positional displacement. Two amphipathic sequences are critical for intramolecular interactions and for proper trafficking of SLC10A1 to the plasma membrane.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2498046
NCBI GeneID	6554
UniProt Accession #	Q14973
NCBI Official Full Name	Sodium/bile acid cotransporter
NCBI Official Synonym Full Names	solute carrier family 10 member 1
NCBI Official Symbol	SLC10A1
NCBI Official Synonym Symbols	NTCP
NCBI Protein Information	sodium/bile acid cotransporter
UniProt Protein Name	Sodium/bile acid cotransporter
UniProt Gene Name	SLC10A1
UniProt Synonym Gene Names	NTCP
UniProt Entry Name	NTCP_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-bile-acid-cotransporter-slc10a1/330854>