

Human Sodium-Dependent Neutral Amino Acid Transporter B (SLC6A19) ELISA Kit | SLC6A19 elisa kit

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CATALOG #
AAA330806

REACTIVITY
Human

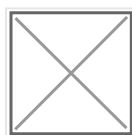
PRODUCT SYNONYMS

Sodium-Dependent Neutral Amino Acid Transporter B (SLC6A19); Human Sodium-Dependent Neutral Amino Acid Transporter B (SLC6A19) ELISA Kit; SLC6A19; B0AT1; FLJ20680; FLJ34635; HND; sodium-dependent amino acid transporter system B0; solute carrier family 6 (neurotransmitter transporter); member 19; solute carrier family 6; system B0 neutr; SLC6A19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sodium-dependent neutral amino acid transporter B (SLC6A19) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC6A19. No significant cross-reactivity or interference between Human SLC6A19 and analogues was observed.
Sequence Length	634
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-dependent neutral amino acid transporter B (SLC6A19) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC6A19 elisa kit	Description: This Human Sodium-dependent neutral amino acid transporter B (SLC6A19) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC6A19 in samples. An antibody specific for SLC6A19 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC6A19 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC6A19 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 SLC6A19 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SLC6A19 is a system B(0) transporter that mediates epithelial resorption of neutral amino acids across the apical membrane in the kidney and intestine. The deduced 634-amino acid protein contains 12 transmembrane domains. In situ hybridization detected Slc6a19 expression in renal cortical proximal tubules and in small intestine villus enterocytes, with highest expression in apical cells. EST database analysis suggested expression in several other tissues and cells. contains 634 amino acids and has 12 predicted transmembrane regions. In a panel of human cDNAs, they detected robust expression of SLC6A19 in kidney and small intestine, with minimal expression in pancreas. SLC6A19 was also expressed in stomach, liver, duodenum, and ileocecum.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51468073
NCBI GeneID	340024
NCBI Accession #	NP_001003841.1
NCBI GenBank Nucleotide #	NP_001003841.1
UniProt Accession #	Q695T7
NCBI Official Full Name	sodium-dependent neutral amino acid transporter B(0)AT1
NCBI Official Synonym Full Names	solute carrier family 6 member 19
NCBI Official Symbol	SLC6A19
NCBI Official Synonym Symbols	HND; B0AT1
NCBI Protein Information	sodium-dependent neutral amino acid transporter B(0)AT1
UniProt Protein Name	Sodium-dependent neutral amino acid transporter B(0)AT1
UniProt Gene Name	SLC6A19
UniProt Synonym Gene Names	B0AT1
UniProt Entry Name	S6A19_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-dependent-neutral-amino-acid-transporter-b-slc6a19/330806>