

Human Sialin (SLC17A5) ELISA Kit | SIALIN elisa kit

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CATALOG #
AAA330833

REACTIVITY
Human

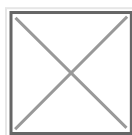
PRODUCT SYNONYMS

Sialin (SLC17A5); Human Sialin (SLC17A5) ELISA Kit; SLC17A5; AST; FLJ22227; FLJ23268; ISSD; NSD; SD; SIASD; SLD; membrane glycoprotein HP59; sialic acid storage disease; sialin; solute carrier family 17; member 5; SIALIN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sialin (SLC17A5) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC17A5. No significant cross-reactivity or interference between Human SLC17A5 and analogues was observed.
Sequence Length	495
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 Sialin (SLC17A5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SIALIN elisa kit	Description: This Human Sialin (SLC17A5) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC17A5 in samples. An antibody specific for SLC17A5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC17A5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC17A5 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 SLC17A5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The SLC17A5 gene encodes a vesicular excitatory amino acid transporter (VEAT) with dual physiologic functions. When present in synaptic vesicles in the central nervous system, sialin is responsible for vesicular storage and subsequent exocytosis of aspartate and glutamate. When present in lysosomes, it acts as an H(+)-coupled sialic acid exporter. The isolated sequence encoded a predicted 495-residue protein with homology to members of the anion/cation symporter (ACS) family of transporters. This family contains eukaryotic inorganic anion transporters (such as Na+/phosphate cotransporters) as well as prokaryotic organic anion transporters (including H+/acid sugar symporters for hexuronate and glucarate).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912666
NCBI GeneID	26503
NCBI Accession #	NP_036566
NCBI GenBank Nucleotide #	NP_036566.1
UniProt Accession #	Q9NRA2
NCBI Official Full Name	sialin
NCBI Official Synonym Full Names	solute carrier family 17 member 5
NCBI Official Symbol	SLC17A5
NCBI Official Synonym Symbols	SD; AST; NSD; SLD; ISSD; SIASD; SIALIN
NCBI Protein Information	sialin
UniProt Protein Name	Sialin
UniProt Gene Name	SLC17A5
UniProt Synonym Gene Names	AST
UniProt Entry Name	S17A5_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/sialin-slc17a5/330833>