Human Large Neutral Amino Acids Transporter Small Subunit 1 (SLC7A5) ELISA Kit | SLC7A5 elisa kit

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CATALOG #	REACTIVITY
AAA330798	**Human**

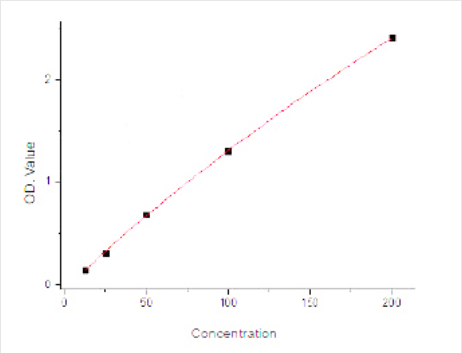
PRODUCT SYNONYMS

Large Neutral Amino Acids Transporter Small Subunit 1 (SLC7A5); Human Large Neutral Amino Acids Transporter Small Subunit 1 (SLC7A5) ELISA Kit; SLC7A5; 4F2LC; CD98; D16S469E; E16; LAT1; MPE16; hLAT1; 4F2 light chain; CD98 light chain; L-type amino acid transporter 1; integral membrane protein E16; large neutral amino acids transporter 1; large neutral a; SLC7A5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	507
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC7A5 elisa kit	Principle of the Assay: Human Large Neutral Amino Acids Transporter Small Subunit 1 (SLC7A5) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC7A5 in samples. An antibody specific for SLC7A5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC7A5 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human SLC7A5 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of SLC7A5 bound in the initial step. The color development is stopped and the intensity of he color is measured. Background/Introduction: Sodium-independent, high-affinity transport of large neutral amino acids such as phenylalanine, tyrosine, leucine, arginine and tryptophan, when associated with SLC3A2/4F2hc. Involved in cellular amino acid uptake. Acts as an amino acid exchanger. Involved in the transport of L-DOPA across the blood- brain barrier, and that of thyroid hormones triiodothyronine (T3) and thyroxine (T4) across the cell membrane in tissues such as placenta. Plays a role in neuronal cell proliferation (neurogenesis) in brain.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71979932
NCBI GeneID	8140
NCBI Accession #	NP_003477.4
NCBI GenBank Nucleotide #	NP_003477.4
UniProt Accession #	Q01650
NCBI Official Full Name	large neutral amino acids transporter small subunit 1
NCBI Official Synonym Full Names	solute carrier family 7 member 5
NCBI Official Symbol	SLC7A5
NCBI Official Synonym Symbols	E16; CD98; LAT1; 4F2LC; MPE16; D16S469E
NCBI Protein Information	large neutral amino acids transporter small subunit 1
UniProt Protein Name	Large neutral amino acids transporter small subunit 1
UniProt Gene Name	**SLC7A5**
UniProt Synonym Gene Names	CD98LC; LAT1; MPE16; 4F2 LC; 4F2LC; hLAT1
UniProt Entry Name	LAT1_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://www.aaabiotech.com/human-elisa-kits/large-neutral-amino-acids-transporter-small-subunit-1-slc7a5/330798