

Human Asc-Type Amino Acid Transporter 1 (SLC7A10) ELISA Kit | SLC7A10 elisa kit

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CATALOG #
AAA330800

REACTIVITY
Human

PRODUCT SYNONYMS

Asc-Type Amino Acid Transporter 1 (SLC7A10); Human Asc-Type Amino Acid Transporter 1 (SLC7A10) ELISA Kit; SLC7A10; FLJ20839; HASC-1; asc-1; asc-type amino acid transporter 1; solute carrier family 7; (cationic amino acid transporter; y+ system) member 10; member 10; SLC7A10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Asc-type amino acid transporter 1 (SLC7A10) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC7A10. No significant cross-reactivity or interference between Human SLC7A10 and analogues was observed.
Sequence Length	523
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 Asc-type amino acid transporter 1 (SLC7A10) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC7A10 elisa kit	Description: This Human Asc-type amino acid transporter 1 (SLC7A10) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC7A10 in samples. An antibody specific for SLC7A10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC7A10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC7A10 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 SLC7A10 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SLC7A10, in association with 4F2HC (SLC3A2), mediates high-affinity transport of D-serine and several other neutral amino acids. The deduced 530-amino acid protein contains 12 transmembrane regions and a conserved cysteine residue (cys160) in the putative extracellular loop between transmembrane domains 3 and 4. This residue was presumed to be linked to 4f2hc via a disulfide bond. Northern blot analysis detected a 1.9-kb transcript in mouse brain and lung, with weaker expression in placenta. A single 4.4-kb transcript was expressed in small intestine. ASC1 shares 91% identity with mouse Asc1. Northern blot analysis detected 1.3-, 2.0-, 4.3-, and 6.0-kb transcripts in brain, heart, placenta, skeletal muscle, and kidney. The 2.0-kb transcript predominated in brain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9790235
NCBI GeneID	56301
NCBI Accession #	NP_062823.1
NCBI GenBank Nucleotide #	NP_062823.1
UniProt Accession #	Q9NS82
NCBI Official Full Name	asc-type amino acid transporter 1
NCBI Official Synonym Full Names	solute carrier family 7 member 10
NCBI Official Symbol	SLC7A10
NCBI Official Synonym Symbols	ASC1; asc-1; HASC-1
NCBI Protein Information	asc-type amino acid transporter 1
UniProt Protein Name	Asc-type amino acid transporter 1
UniProt Gene Name	SLC7A10
UniProt Synonym Gene Names	ASC1; Asc-1

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/asc-type-amino-acid-transporter-1-slc7a10/330800>