Human B (0, +)-Type Amino Acid Transporter 1 (SLC7A9) ELISA Kit | SLC7A9 elisa kit

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CATALOG #	REACTIVITY
AAA330796	**Human**

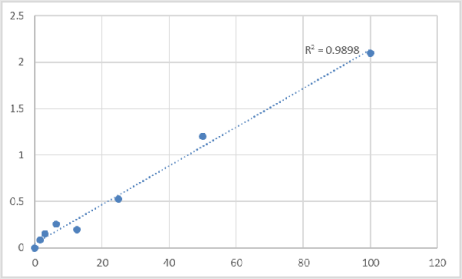
PRODUCT SYNONYMS

B (0; +)-Type Amino Acid Transporter 1 (SLC7A9); Human B (0; +)-Type Amino Acid Transporter 1 (SLC7A9) ELISA Kit; SLC7A9; BAT1; CSNU3; FLJ94301; B(0; +)-type amino acid transporter 1; bo; + amino acid transporter; glycoprotein-associated amino acid transporter b0; +AT1; solute carrier family 7; member 9; SLC7A9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human B (0,+)-type amino acid transporter 1 (SLC7A9) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC7A9. No significant cross-reactivity or interference between Human SLC7A9 and analogues was observed.
Sequence Length	487
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 B (0,+)-type amino acid transporter 1 (SLC7A9) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC7A9 elisa kit	Description: This Human B (0,+)-type amino acid transporter 1 (SLC7A9) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC7A9 in samples. An antibody specific for SLC7A9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC7A9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC7A9 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 SLC7A9 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The SLC7A9 cDNA is polyadenylated and contains an open reading frame encoding a 487-amino acid protein. The protein, designated b(0,+)AT for b(0,+) amino acid transporter, belongs to a family of light subunits of amino acid transporters expressed in kidney, liver, small intestine, and placenta. Northern blot analysis revealed that the SLC7A9 gene was expressed as an approximately 1.9-kb transcript in these tissues. The tissue distribution of b(0,+)AT was consistent with that of a renal basic amino acid transporter (see SLC3A1, or rBAT) light subunit. As expected, b(0,+)AT brought rBAT to the plasma membrane in cotransfected COS cells. In contrast, transfection of rBAT alone resulted in the blockage of the expressed protein in the endoplasmic reticulum.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187423910
NCBI GeneID	11136
NCBI Accession #	NP_001119807.1
NCBI GenBank Nucleotide #	NP_001119807.1
UniProt Accession #	P82251
NCBI Official Full Name	B(0,+)-type amino acid transporter 1
NCBI Official Synonym Full Names	solute carrier family 7 member 9
NCBI Official Symbol	SLC7A9
NCBI Official Synonym Symbols	BAT1; CSNU3
NCBI Protein Information	B(0,+)-type amino acid transporter 1
UniProt Protein Name	b(0,+)-type amino acid transporter 1
UniProt Gene Name	**SLC7A9**
UniProt Synonym Gene Names	BAT1; b(0,+)AT1

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/b-0-type-amino-acid-transporter-1-slc7a9/330796