

Human Solute Carrier Family 15 Member 2 (SLC15A2) ELISA Kit | SLC15A2 elisa kit

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CATALOG #
AAA330837

REACTIVITY
Human

PRODUCT SYNONYMS

Solute Carrier Family 15 Member 2 (SLC15A2); Human Solute Carrier Family 15 Member 2 (SLC15A2) ELISA Kit; SLC15A2; FLJ33407; PEPT2; kidney H(+)/peptide cotransporter; oligopeptide transporter; kidney isoform; peptide transporter 2; SLC15A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Solute carrier family 15 member 2 (SLC15A2) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC15A2. No significant cross-reactivity or interference between Human SLC15A2 and analogues was observed.
Sequence Length	698
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 Solute carrier family 15 member 2 (SLC15A2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC15A2 elisa kit	Description: This Human Solute carrier family 15 member 2 (SLC15A2) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC15A2 in samples. An antibody specific for SLC15A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC15A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC15A2 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 SLC15A2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: This transporter, SLC15A2, belongs to the same gene family as SLC15A1, the proton-coupled peptide transporter found in the small intestine. The SLC15A2 cDNA encodes a predicted 729-amino acid protein that contains 12 transmembrane domains and a long hydrophilic segment between transmembrane domains 9 and 10. The amino acid sequence of SLC15A2 shows 50% identity and 70% similarity with that of SLC15A1. Functional expression of the SLC15A2 cDNA in HeLa cells resulted in the induction of a proton-dependent transport system that was able to transport dipeptides, tripeptides, and beta-lactam antibiotics; free amino acids were not accepted as substrates. RT-PCR showed that SLC15A2 is expressed in kidney but not in intestine.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226371748
NCBI GeneID	6565
NCBI Accession #	NP_001139470.1
NCBI GenBank Nucleotide #	NP_001139470.1
UniProt Accession #	Q16348
NCBI Official Full Name	solute carrier family 15 member 2 isoform b
NCBI Official Synonym Full Names	solute carrier family 15 member 2
NCBI Official Symbol	SLC15A2
NCBI Official Synonym Symbols	PEPT2
NCBI Protein Information	solute carrier family 15 member 2
UniProt Protein Name	Solute carrier family 15 member 2
UniProt Gene Name	SLC15A2
UniProt Synonym Gene Names	PEPT2
UniProt Entry Name	S15A2_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/solute-carrier-family-15-member-2-slc15a2/330837>