Human Sodium-And Chloride-Dependent Taurine Transporter (SLC6A6/TAUT) ELISA Kit | SLC6A6/TAUT elisa kit

Human Sodium-And Chloride-Dependent Taurine Transporter (SLC6A6/TAUT) ELISA Kit

CATALOG #	REACTIVITY
AAA330803	**Human**

PRODUCT SYNONYMS

Sodium-And Chloride-Dependent Taurine Transporter (SLC6A6/TAUT); Human Sodium-And Chloride-Dependent Taurine Transporter (SLC6A6/TAUT) ELISA Kit; SLC6A6; MGC10619; MGC131729; TAUT; SLC6A6/TAUT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sodium- and chloride-dependent taurine transporter (SLC6A6/TAUT) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC6A6. No significant cross-reactivity or interference between Human SLC6A6 and analogues was observed.
Sequence Length	620
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 Sodium- and chloride-dependent taurine transporter (SLC6A6/TAUT) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC6A6/TAUT elisa kit	Description: This Human Sodium- and chloride-dependent taurine transporter (SLC6A6/TAUT) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC6A6 in samples. An antibody specific for SLC6A6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC6A6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC6A6 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 SLC6A6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Taurine (2-aminoethanesulfonic acid) is a major intracellular amino acid in mammals. It is involved in a number of important physiologic processes, including bile acid conjugation in hepatocytes, modulation of calcium flux and neural excitability, osmoregulation, detoxification, and membrane stabilization. The cells of most organisms respond to hypertonicity by the intracellular accumulation of high concentrations of small organic solutes (osmolytes) that, in contrast to high concentrations of electrolytes, do not perturb the function of macromolecules. The renal medulla is normally the only tissue in mammals that undergoes wide shifts in tonicity. Its hypertonicity when the kidney is excreting a concentrated urine is fundamental to water conservation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	197276623
NCBI GeneID	6533
NCBI Accession #	NP_001127839.1
NCBI GenBank Nucleotide #	NP_001127839.1
UniProt Accession #	P31641
NCBI Official Full Name	sodium- and chloride-dependent taurine transporter isoform a
NCBI Official Synonym Full Names	solute carrier family 6 member 6
NCBI Official Symbol	SLC6A6
NCBI Official Synonym Symbols	TAUT
NCBI Protein Information	sodium- and chloride-dependent taurine transporter
UniProt Protein Name	Sodium- and chloride-dependent taurine transporter
UniProt Gene Name	**SLC6A6**
UniProt Entry Name	SC6A6_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/sodium-and-chloride-dependent-taurine-transporter-slc6a6-taut/330803