

Human Taurine Transporter (TAUT) ELISA Kit | TAUT elisa kit

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CATALOG #
AAA68453

REACTIVITY
Human

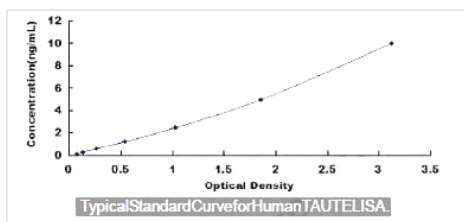
PRODUCT SYNONYMS

Taurine Transporter (TAUT); Human Taurine Transporter (TAUT) ELISA Kit; SLC6A6; Sodium And Chloride Dependent Taurine Transporter; Solute Carrier Family 6 Member 6; Neurotransmitter Transporter; Taurine; TAUT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TAUT. No significant cross-reactivity or interference between TAUT and analogues was observed.
Sequence Length	721
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.066ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TAUT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TAUT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TAUT elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TAUT in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TAUT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TAUT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TAUT, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TAUT in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	618857458
NCBI GeneID	6533
NCBI Accession #	NP_001127839.2
NCBI GenBank Nucleotide #	NM_001134367.3
UniProt Accession #	P31641; Q9BRI2; Q9BXB0; B2RNU7
Molecular Weight	22,744 Da
NCBI Official Full Name	sodium- and chloride-dependent taurine transporter isoform c
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

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.