

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

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CATALOG #
AAA68454

REACTIVITY
Mouse

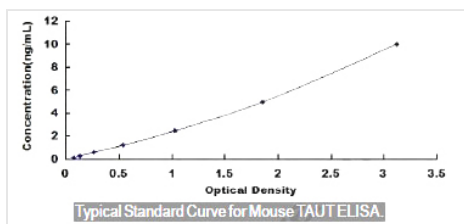
PRODUCT SYNONYMS

Taurine Transporter (TAUT); Mouse 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	Mouse
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	621
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.061ng/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 mouse 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 #	31982828
NCBI GeneID	21366
NCBI Accession #	NP_033346.2
NCBI GenBank Nucleotide #	NM_009320.4
UniProt Accession #	O35316; P31642; Q91WI2
Molecular Weight	69,856 Da
NCBI Official Full Name	sodium- and chloride-dependent taurine transporter
NCBI Official Synonym Full Names	solute carrier family 6 (neurotransmitter transporter, taurine), member 6
NCBI Official Symbol	Slc6a6
NCBI Official Synonym Symbols	Taut; C80501; AA589629
NCBI Protein Information	sodium- and chloride-dependent taurine transporter
UniProt Protein Name	Sodium- and chloride-dependent taurine transporter
UniProt Gene Name	Slc6a6
UniProt Synonym Gene Names	Taut

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.