

Mouse Thiosulfate Sulfurtransferase (TST) ELISA Kit | TST elisa kit

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CATALOG #
AAA189793

REACTIVITY
Mouse

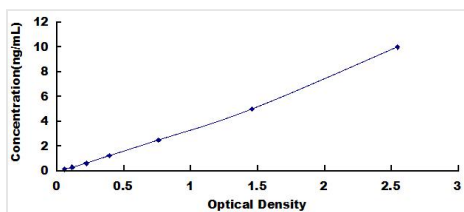
PRODUCT SYNONYMS

Thiosulfate Sulfurtransferase (TST); Mouse Thiosulfate Sulfurtransferase (TST) ELISA Kit; RDS; Rhodanese; Thiosulfate Cyanide Transsulfurase; Thiosulfate Thiotransferase; TST/Thiosulfate Sulfurtransferase; TST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TST. No significant cross-reactivity or interference between TST and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TST 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 TST were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TST elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TST. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TST. 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 TST, 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 TST in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TST in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for TST elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678449
NCBI GeneID	22117
NCBI Accession #	NP_033463.1
NCBI GenBank Nucleotide #	NM_009437.4
UniProt Accession #	P52196
Molecular Weight	33,466 Da
NCBI Official Full Name	thiosulfate sulfurtransferase
NCBI Official Synonym Full Names	thiosulfate sulfurtransferase, mitochondrial
NCBI Official Symbol	Tst
NCBI Official Synonym Symbols	Rhodanese
NCBI Protein Information	thiosulfate sulfurtransferase
UniProt Protein Name	Thiosulfate sulfurtransferase
UniProt Gene Name	Tst
UniProt Entry Name	THTR_MOUSE

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.