

Mouse Thioredoxin ELISA Kit | Txn elisa kit

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CATALOG #
AAA100097

REACTIVITY
Mouse

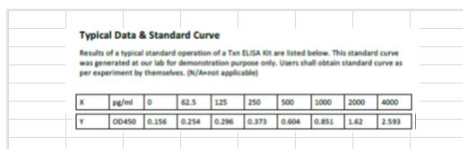
PRODUCT SYNONYMS

Thioredoxin; Mouse Thioredoxin ELISA Kit; Txn/Thioredoxin/Trx/Trx1/TXN/TXN1; Txn elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Txn. No significant cross-reactivity or interference between Txn and analogues was observed.
Sequence Length	105
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Txn were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Txn were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Txn elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- Txn antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- Txn antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Txn amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Txn can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758644
NCBI GeneID	116484
NCBI Accession #	NP_446252.1
NCBI GenBank Nucleotide #	NM_053800.3
Molecular Weight	11,673 Da
NCBI Official Full Name	thioredoxin
NCBI Official Synonym Full Names	thioredoxin 1
NCBI Official Symbol	Txn1
NCBI Official Synonym Symbols	Txn
NCBI Protein Information	thioredoxin
UniProt Protein Name	Thioredoxin
UniProt Gene Name	Txn
UniProt Synonym Gene Names	Txn1; Trx
UniProt Entry Name	THIO_RAT

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/txn-mouse-elisa-kits/thioredoxin/100097>