

Rat thioredoxin ELISA Kit | TXN elisa kit

Rat Thioredoxin, Trx ELISA Kit

CATALOG #
AAA79769

REACTIVITY
Rat

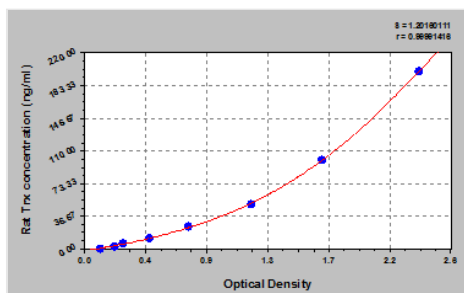
PRODUCT SYNONYMS

thioredoxin; Rat Thioredoxin; Trx ELISA Kit; RP11-427L11.1; DKFZp686B1993; MGC61975; TRX; TRX1; ; TXN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat Trx. No significant cross-reactivity or interference between rat Trx and analogues was observed.
Sequence Length	105
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	3.12 ng/ml -200 ng/ml.
Sensitivity	The minimum detectable dose of rat Trx is typically less than 0.78 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TXN elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for Trx has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Trx present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Trx is added to the wells. After washing, avidin 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 Trx bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	146291083
UniProt Accession #	P08628
Molecular Weight	11,761 Da
NCBI Official Full Name	Thioredoxin
UniProt Protein Name	Thioredoxin
UniProt Gene Name	TXN
UniProt Synonym Gene Names	Trx
UniProt Entry Name	THIO_RABIT

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-rat-elisa-kits/thioredoxin/79769>