

Mouse Thioredoxin (TRX) ELISA Kit | TRX elisa kit

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CATALOG #
AAA332059

REACTIVITY
Mouse

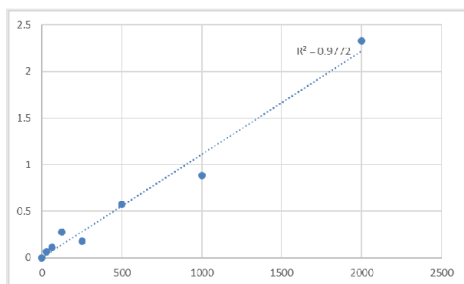
PRODUCT SYNONYMS

Thioredoxin (TRX); Mouse Thioredoxin (TRX) ELISA Kit; TXN; RP11-427L11.1; DKFZp686B1993; MGC61975; TRX; TRX1; TRX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Thioredoxin (TRX) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TXN. No significant cross-reactivity or interference between Mouse TXN and analogues was observed.
Sequence Length	105
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Thioredoxin (TRX) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TRX elisa kit	Description: This Mouse Thioredoxin (TRX) ELISA Kit employs a two-site sandwich ELISA to quantitate TXN in samples. An antibody specific for TXN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TXN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TXN is added to the wells. After washing, Streptavidin 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 TXN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Thioredoxins are proteins that act as antioxidants by facilitating the reduction of other proteins by cysteine thiol-disulfide exchange. Thioredoxins are found in nearly all known organisms and are essential for life in mammals. Thioredoxins are characterized at the level of their amino acid sequence by the presence of two vicinal cysteines in a CXXC motif. These two cysteines are the key to the ability of thioredoxin to reduce other proteins. Thioredoxin proteins also have a characteristic tertiary structure termed the thioredoxin fold. The thioredoxins are kept in the reduced state by the flavoenzyme thioredoxin reductase, in a NADPH-dependent reaction. Thioredoxins act as electron donors to peroxidases and ribonucleotide reductase.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6755911
NCBI GeneID	22166
NCBI Accession #	NP_035790.1
NCBI GenBank Nucleotide #	NP_035790.1
UniProt Accession #	P10639
NCBI Official Full Name	thioredoxin
NCBI Official Synonym Full Names	thioredoxin 1
NCBI Official Symbol	Txn1
NCBI Official Synonym Symbols	ADF; Txn; Trx1; AW550880
NCBI Protein Information	thioredoxin
UniProt Protein Name	Thioredoxin
UniProt Gene Name	Txn
UniProt Synonym Gene Names	Txn1; Trx; ADF
UniProt Entry Name	THIO_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.