

Horse Thioredoxin ELISA Kit | TRX elisa kit

Horse Thioredoxin (TRX) ELISA Kit

CATALOG # AAA55565	REACTIVITY Horse
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PRODUCT SYNONYMS

Thioredoxin; Horse Thioredoxin (TRX) ELISA Kit; TRX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Horse
Specificity	This assay has high sensitivity and excellent specificity for detection of Horse TRX. No significant cross-reactivity or interference between Horse TRX and analogues was observed.
Sequence Length	105
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	1.56 ng/mL - 100 ng/mL
Sensitivity	1 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for TRX elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate TRX in Horse serum, plasma, tissue homogenates. An 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, 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 TRX bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Horse Thioredoxin (TRX) concentration in serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126352340
NCBI GeneID	100033827
NCBI Accession #	NP_001075282.1
NCBI GenBank Nucleotide #	NM_001081813.1
UniProt Accession #	O97508

Molecular Weight	11,737 Da
NCBI Official Full Name	thioredoxin
NCBI Official Symbol	TXN
NCBI Protein Information	thioredoxin
UniProt Protein Name	Thioredoxin
UniProt Gene Name	TXN
UniProt Synonym Gene Names	Trx

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://www.aaabiotech.com/trx-horse-elisa-kits/thioredoxin/55565>