

Human Thioredoxin-1/Trx1 ELISA Kit | Trx1 elisa kit

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CATALOG #
AAA281368

REACTIVITY
Human

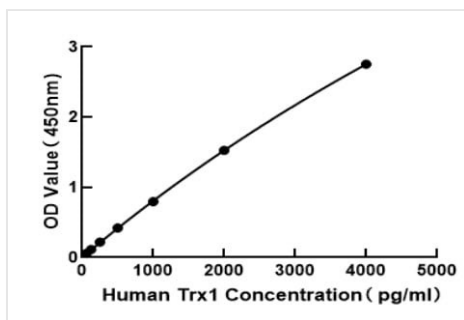
PRODUCT SYNONYMS

Thioredoxin-1/Trx1; Human Thioredoxin-1/Trx1 ELISA Kit; Trx1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	It cross-reacts with bovine Trx1, and testing the cell culture supernatant requires assurance that bovine serum is free.
Sequence Length	85
Assay Type	Quantitative Sandwich
Sensitivity	< 31.25pg/mL
Intra-assay Precision	Intra-plate Precision The three samples with known concentrations were repeated 20 times on the same board to calculate the coefficient of variation (CV) for the concentrations. Intra-Assay: CV<10%
Inter-assay Precision	Inter-plate Precision The coefficient of variation (CV) of three known concentrations was calculated by 20 tests of two kits on each of the three samples. Inter-Assay: CV<15%
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Trx1 elisa kit

Background: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Trx1 in human serum, plasma, cell culture supernatants and other biological fluids.

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. An antibody specific for human Trx1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Trx1 present is bound by the immobilized antibody. After washing away any unbound substances, a biotin-conjugated detection antibody specific for human Trx1 is added to the wells. After incubating, an enzyme-linked streptavidin is added and binds to biotin. Following a wash to remove any unbound antibody-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Trx1 bound in the initial step. The color development is stopped, and the absorbance is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	349732256
NCBI GeneID	7295
NCBI Accession #	NP_001231867.1
NCBI GenBank Nucleotide #	NM_001244938.1
UniProt Accession #	P10599; O60744; Q53X69; Q96KI3; Q9UDG5; B1ALW1
Molecular Weight	9,452 Da
NCBI Official Full Name	thioredoxin isoform 2
NCBI Official Synonym Full Names	thioredoxin
NCBI Official Symbol	TXN
NCBI Official Synonym Symbols	TRX; TRDX; TRX1
NCBI Protein Information	thioredoxin
UniProt Protein Name	Thioredoxin
UniProt Gene Name	TXN
UniProt Synonym Gene Names	TRDX; TRX; TRX1; Trx; ADF; SASP

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/human-elisa-kits/thioredoxin-1-trx1/281368>