

Human Thioredoxin (Trx) CLIA Kit | Trx clia kit

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CATALOG #
AAA129960

REACTIVITY
Human

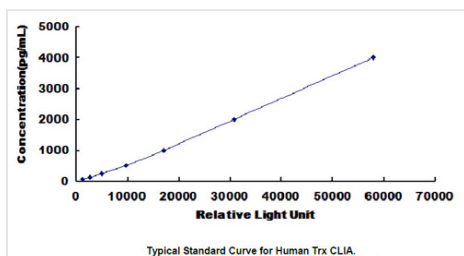
PRODUCT SYNONYMS

Thioredoxin (Trx); Human Thioredoxin (Trx) CLIA Kit; TXN; ADF; SASP; TRDX; TRX1; ATL-derived factor; Surface-associated sulphhydryl protein; Trx clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Thioredoxin (Trx). No significant cross-reactivity or interference between Thioredoxin (Trx) and analogues was observed.
Sequence Length	105
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.14-100ng/mL
Sensitivity	0.05ng/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Thioredoxin (Trx) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thioredoxin (Trx) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Trx clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Thioredoxin (Trx). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Thioredoxin (Trx). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Thioredoxin (Trx) level in the sample or standard.;
Product Categories/Family for Trx clia kit	Metabolic pathway; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755911
NCBI GeneID	22166
NCBI Accession #	NP_035790.1
NCBI GenBank Nucleotide #	NM_011660.3
UniProt Accession #	P10639; Q52KC4; Q9D8R0
Molecular Weight	11,675 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/thioredoxin-trx/129960>