

Thioredoxin Reductase (TrxR) Assay Kit | TrxR assay kit

Thioredoxin Reductase (TrxR) Activity Assay Kit

CATALOG #
AAA178639

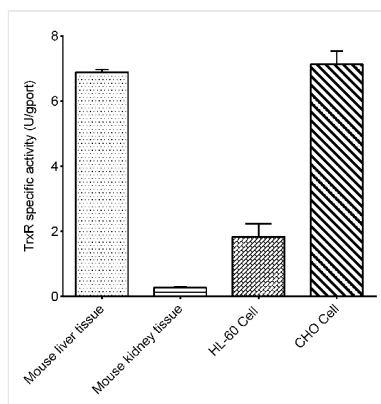
PRODUCT SYNONYMS

Thioredoxin Reductase (TrxR); Thioredoxin Reductase (TrxR) Activity Assay Kit; TrxR assay kit

PRODUCT SPECIFICATIONS

Samples	animal tissue and cell
Detection Range	0.82-46.81 U/L
Sensitivity	0.82 U/L
Detection Method	Colorimetric method
Detection Instrument	Microplate reader
Assay Time	25 min
Research Area	Oxidative Stress
Test Principle	Thioredoxin system, as one of the most important antioxidant systems in the body, can stabilize the redox balance of organisms, regulate signal transduction. It is also related to cell REDOX reaction, nucleic acid metabolism, cell growth and tumorigenesis. Thioredoxin reductase (TrxR) is a NADPH-dependent dimer selenase containing the flavin adenine dinucleotide (FAD) domain and is a member of the pyridine nucleotide-disulfide oxidoreductase family. The thioredoxin system consists of NADPH, thioredoxin reductase and thioredoxin. The TrxR catalytic substrate makes the reducing agent reduce the color developer with a characteristic absorption peak at 412 nm.
Precision	Inter Assay CV: 3.2-5.3% Intra Assay CV: 1.5-2.9%
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Ship: Ice bag

IMAGES



Application Data

ADDITIONAL INFORMATION

Product Categories/Family for TrxR assay kit	Metabolism Assay; Cell Metabolism Assays; Oxidative Stress; Enzyme Activity
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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/assay-kits/thioredoxin-reductase-trxr/178639>