

Human Thioredoxin Reductase 1 (TrxR1) ELISA Kit | TrxR1 elisa kit

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CATALOG #
AAA44129

REACTIVITY
Human

PRODUCT SYNONYMS

Thioredoxin Reductase 1 (TrxR1); Human Thioredoxin Reductase 1 (TrxR1) ELISA Kit; TrxR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	647
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.05ng/ml - 30ng/ml
Sensitivity	0.026ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TrxR1 elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Thioredoxin Reductase 1 (also known as TrxR1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human TrxR1 antibody. TrxR1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human TrxR1 Antibody is added and binds to TrxR1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated TrxR1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human TrxR1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37542493
NCBI GeneID	7296
Molecular Weight	59,787 Da
NCBI Official Full Name	thioredoxin reductase 1
NCBI Official Synonym Full Names	thioredoxin reductase 1
NCBI Official Symbol	TXNRD1
NCBI Official Synonym Symbols	TR; TR1; TXNR; TRXR1; GRIM-12
NCBI Protein Information	thioredoxin reductase 1, cytoplasmic
UniProt Protein Name	Thioredoxin reductase 1, cytoplasmic
UniProt Gene Name	TXNRD1
UniProt Synonym Gene Names	GRIM12; KDRF; TR; GRIM-12; Gene associated with retinoic and IFN-induced mortality 12 protein

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/thioredoxin-reductase-1-trxr1/44129>