

Rat TrxR1 (Thioredoxin Reductase 1) CLIA Kit | TrxR1 clia kit

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CATALOG #
AAA170977

REACTIVITY
Rat

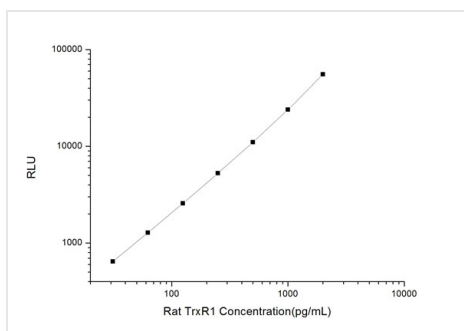
PRODUCT SYNONYMS

TrxR1 (Thioredoxin Reductase 1); Rat TrxR1 (Thioredoxin Reductase 1) CLIA Kit; TXNRD1; GRIM-12; TR; TR1; TXNR; TrxR1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant TrxR1. No significant cross-reactivity or interference between TrxR1 and analogues was observed.
Sequence Length	647
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	Min: 18.75pg/mL; Max: 2000pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TrxR1 clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of TrxR1 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to TrxR1. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for TrxR1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain TrxR1, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of TrxR1. You can calculate the concentration of TrxR1 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37542493
NCBI GeneID	7296
Molecular Weight	50,873 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
UniProt Entry Name	TRXR1_HUMAN

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/rat-clia-kits/trxr1-thioredoxin-reductase-1/170977>