

Mouse Thioredoxin Reductase 1 ELISA Kit | TrxR1 elisa kit

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CATALOG #
AAA100652

REACTIVITY
Mouse

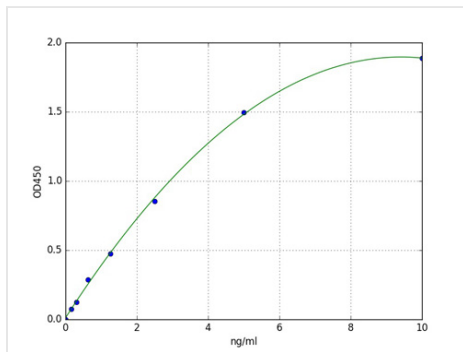
PRODUCT SYNONYMS

Thioredoxin Reductase 1; Mouse Thioredoxin Reductase 1 ELISA Kit; TrxR1/GRIM-12/KDRF/TR1/TRXRD1/TXNR/TXNRD1/EC 1.8.1/EC 1.8.1.9/Gene associated with retinoic and IFN-induced mortality 12 protein/Gene associated with retinoic and interferon-induced mortality 12 protein/GRIM12/GRIM-12TR1/KDRF/KM-102-derived reductase-like factor/MGC9145/oxidoreductase/thioredoxin reductase 1/thioredoxin reductase 1; cytoplasmic/thioredoxin reductase GRIM-12/Thioredoxin reductase TR1/TR/Trxr1/TXNRTRXR1; TrxR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	461
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Mouse TrxR1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.036	0.194	0.321	0.542	0.937	1.387	1.523	1.972

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TrxR1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse TrxR1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse TrxR1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse TrxR1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse TrxR1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	387598071
NCBI GeneID	7296
NCBI Accession #	NP_001248375.1
NCBI GenBank Nucleotide #	NM_001261446.1
Molecular Weight	50,873 Da
NCBI Official Full Name	thioredoxin reductase 1, cytoplasmic isoform 5
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/trxr1-mouse-elisa-kits/thioredoxin-reductase-1/100652>