

Human Glutaredoxin (GLRX) ELISA Kit | GLRX elisa kit

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CATALOG #
AAA65253

REACTIVITY
Human

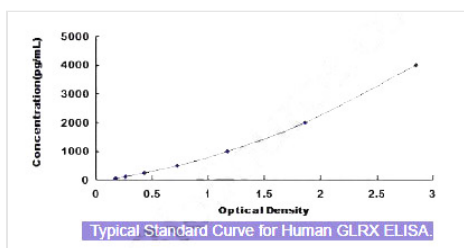
PRODUCT SYNONYMS

Glutaredoxin (GLRX); Human Glutaredoxin (GLRX) ELISA Kit; GRX; GRX1; Thioltransferase; GLRX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GLRX. No significant cross-reactivity or interference between GLRX and analogues was observed.
Sequence Length	106
Samples	Serum, plasma or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	< 25.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GLRX were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GLRX were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLRX elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GLRX in human serum, plasma or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GLRX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GLRX. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GLRX, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of GLRX in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	169646776
NCBI GeneID	2745
NCBI Accession #	NP_001112362.1
NCBI GenBank Nucleotide #	NM_001118890.1
UniProt Accession #	P35754; Q3KQS1; Q6ICT1; B2R4L2
Molecular Weight	11,776 Da
NCBI Official Full Name	glutaredoxin-1
NCBI Official Synonym Full Names	glutaredoxin
NCBI Official Symbol	GLRX
NCBI Official Synonym Symbols	GRX; GRX1
NCBI Protein Information	glutaredoxin-1
UniProt Protein Name	Glutaredoxin-1
UniProt Gene Name	GLRX
UniProt Synonym Gene Names	GRX; TTase-1

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.