

Mouse glutaredoxin 5 ELISA Kit | GLRX5 elisa kit

Mouse Glutaredoxin-related protein 5, mitochondrial, GLRX5 ELISA Kit

CATALOG #
AAA112537

REACTIVITY
Mouse

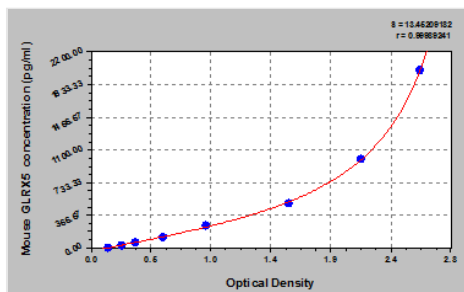
PRODUCT SYNONYMS

glutaredoxin 5; Mouse Glutaredoxin-related protein 5; mitochondrial; GLRX5 ELISA Kit; mitochondrial (GLRX5) ELISA kit; C14orf87; FLB4739; GRX5; MGC14129; PR01238; PRO1238; glutaredoxin 5 homolog; GLRX5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse GLRX5. No significant cross-reactivity or interference between mouse GLRX5 and analogues was observed.
Sequence Length	152
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	31.25 pg/ml -2000 pg/ml.
Sensitivity	The minimum detectable dose of mouse GLRX5 is typically less than 7.8 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLRX5 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GLRX5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GLRX5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GLRX5 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GLRX5 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21312153
NCBI GeneID	73046
NCBI Accession #	NP_082695.1
NCBI GenBank Nucleotide #	NM_028419.2
UniProt Accession #	Q80Y14; Q3YML1; Q9D6E9
Molecular Weight	16,292 Da
NCBI Official Full Name	glutaredoxin-related protein 5, mitochondrial
NCBI Official Synonym Full Names	glutaredoxin 5 homolog (S. cerevisiae)
NCBI Official Symbol	Glrx5
NCBI Official Synonym Symbols	AU020725; 2310004O13Rik; 2900070E19Rik
NCBI Protein Information	glutaredoxin-related protein 5, mitochondrial; monothiol glutaredoxin-5
UniProt Protein Name	Glutaredoxin-related protein 5, mitochondrial
UniProt Gene Name	Glrx5
UniProt Entry Name	GLRX5_MOUSE

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.