

Human glutathione peroxidase 1 ELISA Kit | GPX1 elisa kit

Human Glutathione peroxidase 1, GPX1 ELISA Kit

CATALOG #
AAA112577

REACTIVITY
Human

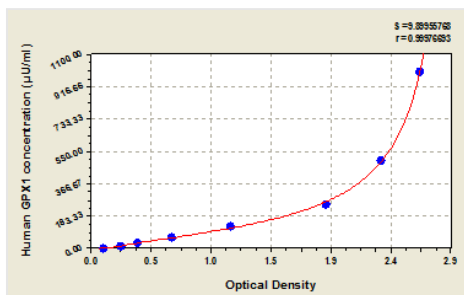
PRODUCT SYNONYMS

glutathione peroxidase 1; Human Glutathione peroxidase 1; GPX1 ELISA Kit; Human Glutathione peroxidase 1 (GPX1) ELISA kit; GSHPX1; MGC14399; MGC88245; OTTHUMP00000210766; cellular glutathione peroxidase; GPX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GPX1. No significant cross-reactivity or interference between human GPX1 and analogues was observed.
Sequence Length	203
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	15.6 uU/ml-1000 uU/ml
Sensitivity	< 3.9 uU/ml
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 GPX1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GPX1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GPX1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GPX1 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 GPX1 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 #	41406084
NCBI GeneID	2876
NCBI Accession #	NP_000572.2
NCBI GenBank Nucleotide #	NM_000581.2
UniProt Accession #	P07203; Q7Z5H1; Q9BW12; E9PAS1
Molecular Weight	10,289 Da
NCBI Official Full Name	glutathione peroxidase 1 isoform 1
NCBI Official Synonym Full Names	glutathione peroxidase 1
NCBI Official Symbol	GPX1
NCBI Official Synonym Symbols	GPXD; GSHPX1
NCBI Protein Information	glutathione peroxidase 1; GPx-1; GSHPx-1; cellular glutathione peroxidase
UniProt Protein Name	Glutathione peroxidase 1
UniProt Gene Name	GPX1
UniProt Synonym Gene Names	GPx-1; GSHPx-1
UniProt Entry Name	GPX1_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/gpx1-human-elisa-kits/glutathione-peroxidase-1/112577>