

Rat glutathione peroxidase 1 ELISA Kit | GPX1 elisa kit

Rat Glutathione Peroxidase, GSH-PX ELISA Kit

CATALOG #
AAA79857

REACTIVITY
Rat

PRODUCT SYNONYMS

glutathione peroxidase 1; Rat Glutathione Peroxidase; GSH-PX ELISA Kit; Rat Glutathione Peroxidase (GSH-PX) ELISA kit; GSHPX1; MGC14399; MGC88245; OTTHUMP00000210766; cellular glutathione peroxidase; GPX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat GPX1. No significant cross-reactivity or interference between Rat GPX1 and analogues was observed.
Sequence Length	200
Samples	Serum, plasma, tissue homogenates
Detection Range	12.5mIU/ml-800 mIU/ml
Sensitivity	3.125 mIU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
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: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GSH-PX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for GSH-PX and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain GSH-PX, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of GSH-PX in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	146198599
NCBI GeneID	100009258
NCBI Accession #	NP_001078913.1
NCBI GenBank Nucleotide #	NM_001085444.1
UniProt Accession #	P11909
Molecular Weight	21,883 Da
NCBI Official Full Name	glutathione peroxidase 1
NCBI Official Symbol	GPX1
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_RABIT

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-rat-elisa-kits/glutathione-peroxidase-1/79857>