

Rat Glutathione peroxidase 1 ELISA Kit | Gpx1 elisa kit

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CATALOG #
AAA29742

REACTIVITY
Rat

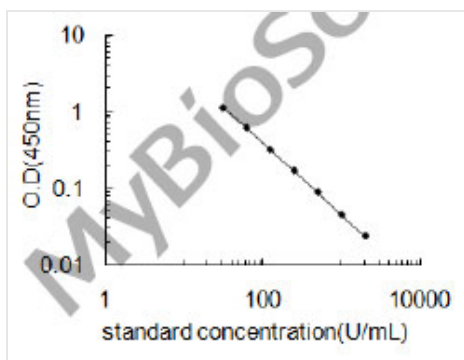
PRODUCT SYNONYMS

Glutathione peroxidase 1; Rat Glutathione peroxidase 1 ELISA Kit; GPx-1; GSHPx-1; Cellular glutathione peroxidase; Gpx1; 1.11.1.9; Gpx1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural Rat GPx-1. No significant cross-reactivity or interference was observed.
Samples	Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	0.78-50 ng/mL
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Gpx1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat glutathione peroxidase 1, GPx-1 concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to GPx-1. During the reaction, GPx-1 in the sample or standard competes with a fixed amount of biotin-labeled GPx-1 for sites on a pre-coated Monoclonal antibody specific to GPx-1. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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 GPx-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	145275165
NCBI GeneID	24404
NCBI Accession #	NP_110453.3
NCBI GenBank Nucleotide #	NM_030826.4
UniProt Accession #	P04041; O08946; Q4PIY2; Q91WZ5
Molecular Weight	22,305 Da
NCBI Official Full Name	glutathione peroxidase 1
NCBI Official Synonym Full Names	glutathione peroxidase 1
NCBI Official Symbol	Gpx1
NCBI Official Synonym Symbols	GSHPx; GSHPx-1
NCBI Protein Information	glutathione peroxidase 1
UniProt Protein Name	Glutathione peroxidase 1
UniProt Gene Name	Gpx1
UniProt Synonym Gene Names	GPx-1; GSHPx-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.

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Online datasheet: <https://stage.aaabiotech.com/gpx1-rat-elisa-kits/glutathione-peroxidase-1/29742>