

Rabbit Glutathione Peroxidase 1 ELISA Kit | GPX1 elisa kit

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CATALOG #
AAA81888

REACTIVITY
Rabbit

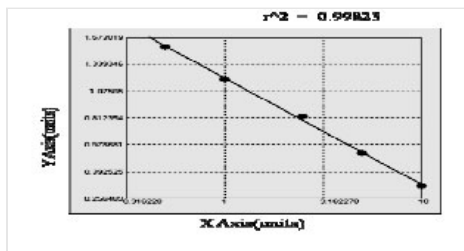
PRODUCT SYNONYMS

Glutathione Peroxidase 1; Rabbit Glutathione Peroxidase 1 ELISA Kit; GPX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500 U/mL
Sensitivity	1.0 U/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPX1 elisa kit

Intended Uses: This GPX1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit GPX1.

Principle of the Assay: GPX1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GPX1 antibody and an GPX1-HRP conjugate. The assay sample and buffer are incubated together with GPX1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GPX1 concentration since GPX1 from samples and GPX1-HRP conjugate compete for the anti-GPX1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GPX1 from the sample, fewer sites are left to bind GPX1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPX1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

41406084

NCBI GeneID	2876
NCBI Accession #	NP_000572.2
NCBI GenBank Nucleotide #	NM_000581.2
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://www.aaabiotech.com/gpx1-rabbit-elisa-kits/glutathione-peroxidase-1/81888>