

Chicken Glutathione peroxidase ELISA Kit | GSH-Px elisa kit

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CATALOG #
AAA17066

REACTIVITY
Chicken

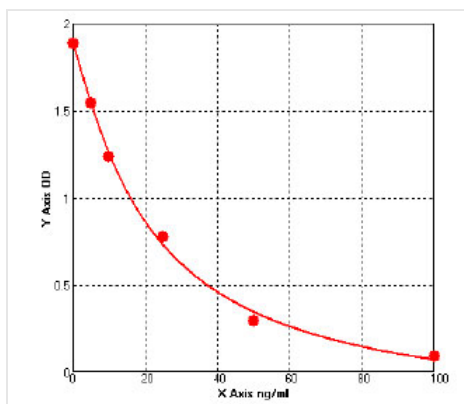
PRODUCT SYNONYMS

Glutathione peroxidase; Chicken Glutathione peroxidase ELISA Kit; GSH-Px elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of GPX-1. No significant cross-reactivity or interference between GPX-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GPX-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSH-Px elisa kit	Principle of the Assay: GPX-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GPX-1 antibody and an GPX-1-HRP conjugate. The assay sample and buffer are incubated together with GPX-1-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 GPX-1 concentration since GPX-1 from samples and GPX-1-HRP conjugate compete for the anti-GPX-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GPX-1 from the sample, fewer sites are left to bind GPX-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPX-1 concentration in each sample is interpolated from this standard curve. Intended Uses: This GPX-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken GPX-1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for GSH-Px elisa kit	Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	312004115
NCBI GeneID	2878
UniProt Accession #	P22352; O43787; Q86W78; Q9NZ74; Q9UEL1; Q6NXQ3
Molecular Weight	25,552 Da
NCBI Official Full Name	glutathione peroxidase
NCBI Official Synonym Full Names	glutathione peroxidase 3 (plasma)
NCBI Official Symbol	GPX3
NCBI Official Synonym Symbols	GPx-P; GSHPx-3; GSHPx-P
NCBI Protein Information	glutathione peroxidase 3; GPx-3; plasma glutathione peroxidase; extracellular glutathione peroxidase
UniProt Protein Name	Glutathione peroxidase 3
UniProt Gene Name	GPX3
UniProt Synonym Gene Names	GPXP; GPx-3; GSHPx-3; GPx-P; GSHPx-P
UniProt Entry Name	GPX3_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.