

Sheep Glutathione peroxidase ELISA Kit | GSH-Px elisa kit

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CATALOG #
AAA91031

REACTIVITY
Sheep

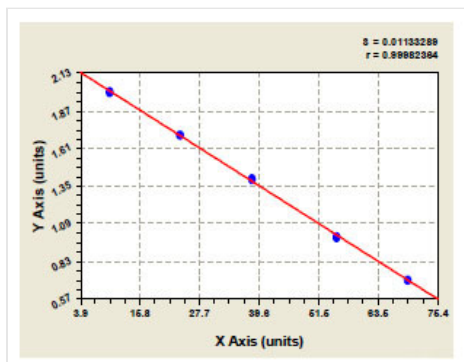
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This GSH-Px ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep GSH-Px. This ELISA kit for research use only, not for therapeutic applications
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: GSH-Px ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GSH-Px antibody and an GSH-Px-HRP conjugate. The assay sample and buffer are incubated together with GSH-Px-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 GSH-Px concentration since GSH-Px from samples and GSH-Px-HRP conjugate compete for the anti-GSH-Px antibody binding site. Since the number of sites is limited, as more sites are occupied by GSH-Px from the sample, fewer sites are left to bind GSH-Px-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSH-Px concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312004115
NCBI GeneID	2878
UniProt Accession #	P22352; O43787; Q86W78; Q9NZ74; Q9UEL1
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.

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Online datasheet: <https://stage.aaabiotech.com/gsh-px-sheep-elisa-kits/glutathione-peroxidase/91031>