

Rat Glutathione Peroxidase 3, Plasma (GPX3) ELISA Kit | GPX3 elisa kit

Rat Glutathione Peroxidase 3, Plasma (GPX3) ELISA Kit

CATALOG #
AAA66383

REACTIVITY
Rat

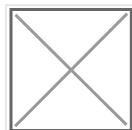
PRODUCT SYNONYMS

Glutathione Peroxidase 3; Plasma (GPX3); Rat Glutathione Peroxidase 3; Plasma (GPX3) ELISA Kit; GSHPX3; GPx-P; GSHPx-P; GPXP; Plasma glutathione peroxidase; Extracellular glutathione peroxidase; GPX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GPX3. No significant cross-reactivity or interference between GPX3 and analogues was observed.
Sequence Length	226
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.31ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GPX3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GPX3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPX3 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GPX3 in rat serum, plasma and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GPX3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GPX3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GPX3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of GPX3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41053837
NCBI GeneID	64317
NCBI Accession #	NP_071970.2
NCBI GenBank Nucleotide #	NM_022525.4
UniProt Accession #	P23764; Q6P6H2
Molecular Weight	25,424 Da
NCBI Official Full Name	glutathione peroxidase 3
NCBI Official Synonym Full Names	glutathione peroxidase 3
NCBI Official Symbol	Gpx3
NCBI Official Synonym Symbols	Gpxp; GPx-3; GPx-P; GSHPx-3; GSHPx-P
NCBI Protein Information	glutathione peroxidase 3
UniProt Protein Name	Glutathione peroxidase 3
UniProt Gene Name	Gpx3
UniProt Synonym Gene Names	GPx-3; GSHPx-3; GPx-P; GSHPx-P

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/glutathione-peroxidase-3-plasma-gpx3/66383>