

Human glutathione peroxidase 3 ELISA Kit | GPX3 elisa kit

Human Glutathione peroxidase 3, GPX3 ELISA Kit

CATALOG #
AAA15642

REACTIVITY
Human

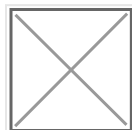
PRODUCT SYNONYMS

glutathione peroxidase 3; Human Glutathione peroxidase 3; GPX3 ELISA Kit; Human Glutathione peroxidase 3 (GPX3) ELISA kit; GPx-P; GSHPx-3; GSHPx-P; extracellular glutathione peroxidase; GPX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GPX3. No significant cross-reactivity or interference between human GPX3 and analogues was observed.
Sequence Length	226
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and tissue homogenates
Detection Range	15.6 uIU/ml-1000 uIU/ml
Sensitivity	< 3.9 uIU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPX3 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GPX3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GPX3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GPX3 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GPX3 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6006001
NCBI GeneID	2878
NCBI Accession #	NP_002075.2
NCBI GenBank Nucleotide #	NM_002084.3
UniProt Accession #	P22352; O43787; Q86W78; Q9NZ74; Q9UEL1
Molecular Weight	25,552 Da
NCBI Official Full Name	glutathione peroxidase 3
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/gpx3-human-elisa-kits/glutathione-peroxidase-3/15642>