

Glutathione Peroxidase (GSH-PX) Assay Kit | GSH-PX assay kit

Glutathione Peroxidase (GSH-PX) assay kit (Colorimetric method)

CATALOG #
AAA22075

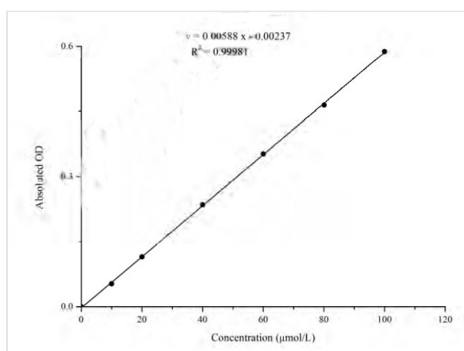
PRODUCT SYNONYMS

Glutathione Peroxidase (GSH-PX); Glutathione Peroxidase (GSH-PX) assay kit (Colorimetric method); GSH-PX assay kit

PRODUCT SPECIFICATIONS

Specificity	100 assays (Can detect 48 samples without duplication)
Sequence Length	192
Samples	Animal serum, plasma, tissue, cells, cell culture supernatant and other samples
Detection Range	12.65-387 U
Sensitivity	12.65 U
Intra-assay Precision	The intra-assay CV is 4.9%.
Inter-assay Precision	The inter-assay CV is 9.3%.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSH-PX assay kit

Principle of the Assay: Glutathione Peroxidase (GSH-Px) can promote the reaction of hydrogen peroxide (H₂O₂) and reduced glutathione to produce H₂O and oxidized glutathione (GSSG). The activity of glutathione peroxidase can be expressed by the rate of enzymatic reaction. The activity of glutathione can be calculated by measuring the consumption of reduced glutathione. Hydrogen peroxide (H₂O₂) and reduced glutathione can react without catalysis of GSH-Px, so the portion of GSH reduction by non-enzymatic reaction should be subtracted. GSH can react with dinitrobenzoic acid to produce 5-thio-dinitrobenzoic acid anion, which showed a stable yellow color. Measure the absorbance at 412nm, and calculate the amount of GSH.

NCBI AND UNIPROT INFORMATION

NCBI GI # [32471828](#)

NCBI GeneID	1793604
NCBI GenBank Nucleotide #	NC_005027.1
NCBI Official Full Name	glutathione peroxidase
NCBI Official Symbol	RB2244
NCBI Protein Information	glutathione peroxidase

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/assay-kits/glutathione-peroxidase-gsh-px/22075>