

Glutathione Peroxidase 4 (GPX4) Assay Kit | GPX4 assay kit

Glutathione Peroxidase 4 (GPX4) Activity Assay Kit

CATALOG #
AAA178645

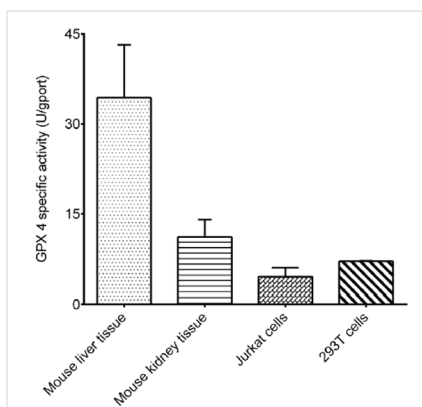
PRODUCT SYNONYMS

Glutathione Peroxidase 4 (GPX4); Glutathione Peroxidase 4 (GPX4) Activity Assay Kit; GPX4 assay kit

PRODUCT SPECIFICATIONS

Samples	serum, plasma, animal tissue and cell
Detection Range	0.96-44.69U/L
Sensitivity	0.96U/L
Detection Method	Colorimetric method
Detection Instrument	Microplate reader
Assay Time	55 min
Research Area	Ferroptosis
Test Principle	Glutathione peroxidase 4(GPX4) is a kind of glutathione peroxidase containing selenocysteine, which can reduce phospholipid hydroperoxide to phosphatidyl alcohol, thus protecting the cell membrane from oxidative damage.GPX4 catalyzes the substrate, and the product consumes the reducing agent with the addition of enzyme reagents.The reducing agent has a maximum absorbance at 340 nm, and the GP4-specific enzyme activity can be calculated by measuring non-specific enzyme activity and total enzyme activity by adding GPX-4 inhibitor to the system.
Precision	Inter Assay CV: 0.4-3.4% Intra Assay CV: 1.2-.3.1%
Preparation and Storage	This product can be stored at -20 degree Cfor 12 months with shading light. Ship: Ice bag

IMAGES



Application Data

ADDITIONAL INFORMATION

Product Categories/Family for GPX4 assay kit	Metabolism Assay; Cell Metabolism Assays; Ferroptosis; Enzyme Activity
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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://www.aaabiotech.com/assay-kits/glutathione-peroxidase-4-gpx4/178645>