

## General Glutathione Peroxidase Assay Kit | GPXle-2 assay kit

Glutathione Peroxidase Microplate Assay Kit

|                               |                              |                                         |
|-------------------------------|------------------------------|-----------------------------------------|
| CATALOG #<br><b>AAA264723</b> | REACTIVITY<br><b>General</b> | APPLICATIONS<br><b>Functional Assay</b> |
|-------------------------------|------------------------------|-----------------------------------------|

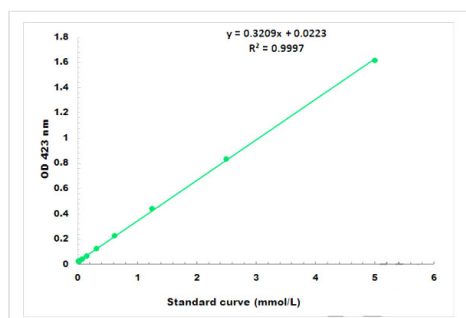
### PRODUCT SYNONYMS

Glutathione Peroxidase; Glutathione Peroxidase Microplate Assay Kit; EC 1.11.1.9; GPXle-2 assay kit

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                  |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------|
| Reactivity                                    | General                                                                                          |
| Sequence Length                               | 170                                                                                              |
| Samples                                       | Serum, Plasma, Other biological fluids, Tissue extracts, Cell lysate, Cell culture media Samples |
| Applicable Applications for GPXle-2 assay kit | FA (Functional Assay)                                                                            |
| Preparation and Storage                       | Store at 4 degree C for 6 months.                                                                |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for GPXle-2 assay kit

Background: Glutathione Peroxidase (EC 1.11.1.9) family of enzymes play important roles in the protection of organisms from oxidative damage. GPX converts reduced glutathione (GSH) to oxidized glutathione (GSSG) while reducing lipid hydroperoxides to their corresponding alcohols or free hydrogen peroxide to water. Several isozymes have been found in different cellular locations and with different substrate specificity. Low levels of GPX have been correlated with free radical related disorders. Glutathione Peroxidase Microplate Assay Kit is a sensitive assay for determining Glutathione Peroxidase activity in various samples. GPX reduces Hydroperoxide while oxidizing GSH to GSSG. GSH may react with DTNB. The decrease of GSH is proportional to GPX activity.

Principle of the Assay: 0.01 mmol/L - 5 mmol/L

### NCBI AND UNIPROT INFORMATION

|                           |                                |
|---------------------------|--------------------------------|
| NCBI GI #                 | <a href="#">1009287603</a>     |
| NCBI GeneID               | <a href="#">101267098</a>      |
| NCBI GenBank Nucleotide # | <a href="#">NP_001308422.1</a> |

|                          |                        |
|--------------------------|------------------------|
| NCBI Official Full Name  | glutathione peroxidase |
| NCBI Official Symbol     | GPXle-2                |
| 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/general-assay-kits/glutathione-peroxidase/264723>