CREATIVE BIOMART®
Assay Kit

Glutathione Peroxidase Assay Kit

Product Information

Cat.No. Kit-0388

Product Overview

Glutathione Peroxidase Assay Kit is a quantitative colorimetric glutathione peroxidase determination.

Description

GLUTATHIONE PEROXIDASE (GPX, EC 1.11.1.9) represents an enzyme family with peroxidase activity whose main biological role is to protect the organism from oxidative damage. It helps prevent lipid peroxidation of cellular membranes by removing free peroxide in the cell. GPX catalyzes the following reaction with glutathione reductase (GR).

Applications

Direct Assays: GPX activity in biological samples.Drug Discovery/Pharmacology: effects of drugs on GPX activity.

Usage

For research use only (RUO)

Storage

Store all components at -20°C. Shelf life of three months after receipt, 3 weeks after reconsitution.

Kit Components

Assay Buffer 25 mLGR Enzyme 1 mLGlutathione (Dried) 1 vialNADPH (Dried) 1 vialCalibrator (Dried) 1 vialPeroxide Solution 50 Ml

Detection method Colorimetric

Compatible Sample Types

Biological Sample

Features & Benefits

Sensitive and accurate. Use 10 μL sample. Linear detection range 40 to 800 U/L GPX activity

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