Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Assay Kit | GAPDH assay kit

Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Activity Assay Kit

CATALOG #
AAA179646

PRODUCT SYNONYMS

Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH); Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Activity Assay Kit; GAPDH assay kit

PRODUCT SPECIFICATIONS

Asssay Type	Enzyme Activity
Samples	tissue, cell
Detection Range	0.49-50.00 U/L
Sensitivity	0.49 U/L
Detection Type	Colorimetric method
Detection Instrument	Microplate reader
Precision	Inter CV: 3.2-8.6% Intra CV: 3.2-5%
Research Area	Glycolysis and Lipid Metabolism
Test Principle	Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH), a key enzyme in the glycolytic pathway, catalyzes the oxidation of glyceraldehyde-3-phosphate to 1, 3-diphosphoglycerate. This response is closely related to the gluconeogenic pathway, the maintenance of blood glucose concentrations in the body, and the development of diabetes. GAPDH gene is a housekeeping gene, which is expressed at a high level in almost all tissues. Therefore, GAPDH widely exists in tissues and cells and plays an important role in the disorders of glucose, lipid and protein metabolism in the body.This kit can calculate the enzyme activity of GAPDH by measuring the OD value change at 450 nm per unit time of the product produced by GAPDH catalyzing the oxidation of glyceraldehyde-3-phosphate.
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Shipping: Ice bag

IMAGES

Application Data

Application Data

ADDITIONAL INFORMATION

Product Categories/Family for GAPDH assay kit	Cell Metabolism Assays; Glycolysis and Lipid Metabolism

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/glyceraldehyde-3-phosphate-dehydrogenase-gapdh/179646