

Glycerol-3-phosphate (G3P) Assay Kit | G3P assay kit

Glycerol-3-phosphate (G3P) Fluorometric Assay Kit

CATALOG #
AAA179639

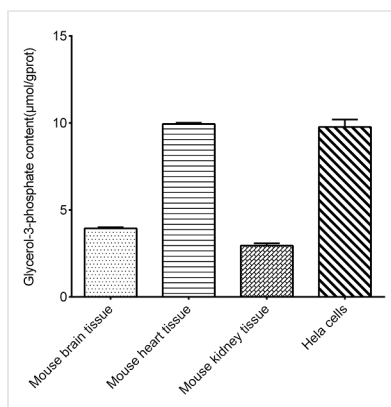
PRODUCT SYNONYMS

Glycerol-3-phosphate (G3P); Glycerol-3-phosphate (G3P) Fluorometric Assay Kit; G3P assay kit

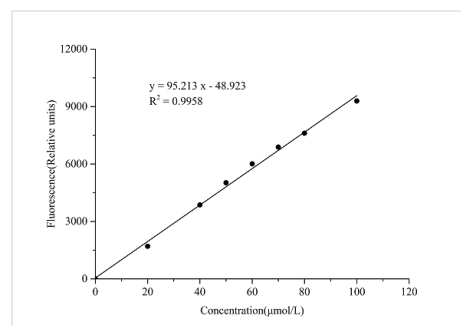
PRODUCT SPECIFICATIONS

Assay Type	Quantitative
Samples	tissue, cell
Detection Range	0.19-100 $\mu\text{mol/L}$
Sensitivity	0.19 $\mu\text{mol/L}$
Detection Type	Fluorescence method
Detection Instrument	Fluorescence Microplate Reader
Precision	Inter CV: 4.6-10.0 Intra CV: 0.7-2.8
Research Area	Glycolysis and Lipid Metabolism
Test Principle	Glycerol 3-phosphate (G3P), also known as 3-glycerophosphoic acid and glycerol alpha-phosphate, is mainly derived from glycolysis. G3P is an important intermediate in the glycerol-3-phosphate shuttle mechanism and studies have shown that G3P is involved in electron transport, and its metabolic level is related to lipid metabolism, insulin resistance and some cancers. The principle of this kit is that G3P is decomposed by enzymes, and its products generate fluorescent substances with probes under the action of other enzymes. The higher the fluorescence value, the higher the G3P content in the sample.
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Shipping: Ice bag

IMAGES



Application Data



ADDITIONAL INFORMATION

Product Categories/Family for G3P assay kit	Cell Metabolism Assays; Glycolysis and Lipid Metabolism
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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://stage.aaabiotech.com/assay-kits/glycerol-3-phosphate-g3p/179639>