

Rat G6PC (Glucose-6-Phosphatase, Catalytic) ELISA Kit | G6PC elisa kit

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CATALOG #
AAA274549

REACTIVITY
Rat

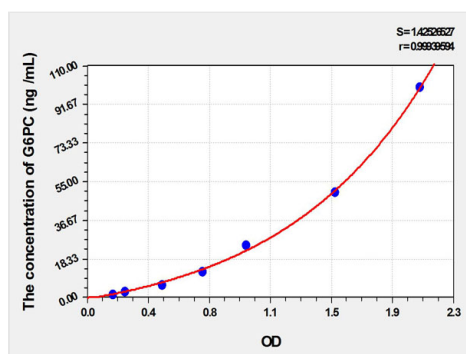
PRODUCT SYNONYMS

G6PC (Glucose-6-Phosphatase; Catalytic); Rat G6PC (Glucose-6-Phosphatase; Catalytic) ELISA Kit; G6PT; GSD1a; Glycogen Storage Disease Type I; von Gierke Disease; Glucose-6-phosphatase alpha; G6PC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat G6PC. No significant cross-reactivity or interference between Rat G6PC and analogues was observed.
Assay Type	Sandwich
Detection Range	1.57-100 ng/mL
Sensitivity	0.55 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for G6PC elisa kit	Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glucose-6-Phosphatase, Catalytic(G6PC). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Glucose-6-Phosphatase, Catalytic(G6PC). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Glucose-6-Phosphatase, Catalytic(G6PC), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Glucose-6-Phosphatase, Catalytic(G6PC) in the samples is then determined by comparing the OD of the samples to the standard curve.
Product Categories/Family for G6PC elisa kit	Enzyme & Kinase

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/rat-elisa-kits/g6pc-glucose-6-phosphatase-catalytic/274549>