

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

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

CATALOG #
AAA65992

REACTIVITY
Rat

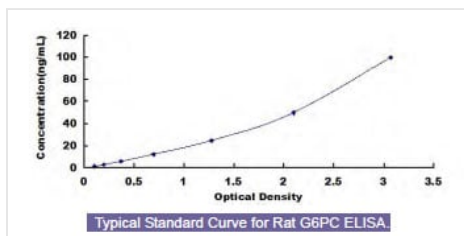
PRODUCT SYNONYMS

Glucose-6-Phosphatase; Catalytic (G6PC); Rat Glucose-6-Phosphatase; Catalytic (G6PC) 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 G6PC. No significant cross-reactivity or interference between G6PC and analogues was observed.
Sequence Length	357
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.65ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level G6PC were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level G6PC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for G6PC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of G6PC in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to G6PC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 G6PC in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	145207998
NCBI GeneID	25634
NCBI Accession #	NP_037230.2
NCBI GenBank Nucleotide #	NM_013098.2
UniProt Accession #	P43428; Q5FVC9
Molecular Weight	40,556 Da
NCBI Official Full Name	glucose-6-phosphatase
NCBI Official Synonym Full Names	glucose-6-phosphatase, catalytic subunit
NCBI Official Symbol	G6pc
NCBI Official Synonym Symbols	G6Pase
NCBI Protein Information	glucose-6-phosphatase
UniProt Protein Name	Glucose-6-phosphatase
UniProt Gene Name	G6pc
UniProt Synonym Gene Names	G6pt; G-6-Pase; G6Pase

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/glucose-6-phosphatase-catalytic-g6pc/65992>