

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

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CATALOG #
AAA43234

REACTIVITY
Human

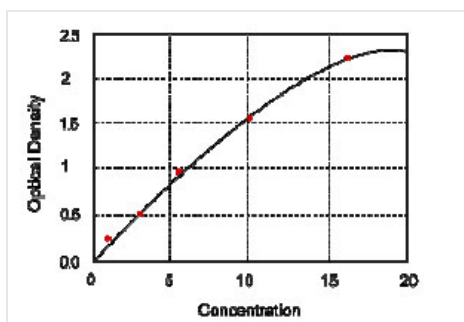
PRODUCT SYNONYMS

Glucose-6-Phosphatase; Catalytic (G6PC); Human Glucose-6-Phosphatase; Catalytic (G6PC) ELISA Kit; G6PC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	357
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.05ng/ml - 30ng/ml
Sensitivity	0.03ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for G6PC elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Glucose-6-Phosphatase, Catalytic (also known as G6PC) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human G6PC antibody. G6PC present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human G6PC Antibody is added and binds to G6PC in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated G6PC antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human G6PC. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	452444
NCBI GeneID	2538
UniProt Accession #	P35575; A1L4C0; B4E1C3; K7EL82
Molecular Weight	20,209 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	G6PT; GSD1; G6PC1; GSD1a; 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; G6Pase-alpha

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/human-elisa-kits/glucose-6-phosphatase-catalytic-g6pc/43234>