

Human Glucose 6 Phosphate ELISA Kit | G6P elisa kit

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CATALOG #
AAA96260

REACTIVITY
Human

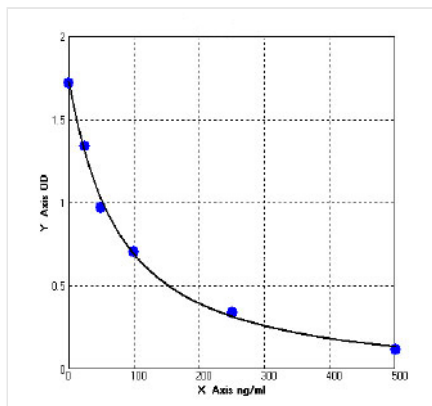
PRODUCT SYNONYMS

Glucose 6 Phosphate; Human Glucose 6 Phosphate ELISA Kit; G6P elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of G6P. No significant cross-reactivity or interference between G6P and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between G6P and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for G6P elisa kit	Principle of the Assay: G6P ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-G6P antibody and an G6P-HRP conjugate. The assay sample and buffer are incubated together with G6P-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the G6P concentration since G6P from samples and G6P-HRP conjugate compete for the anti-G6P antibody binding site. Since the number of sites is limited, as more sites are occupied by G6P from the sample, fewer sites are left to bind G6P-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The G6P concentration in each sample is interpolated from this standard curve. Intended Uses: This G6P ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human G6P. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51974095
NCBI GeneID	3022041
Molecular Weight	50,331 Da
NCBI Official Full Name	glucose-6-phosphate
NCBI Official Symbol	pgi
NCBI Protein Information	glucose-6-phosphate isomerase
UniProt Protein Name	Glucose-6-phosphate isomerase
UniProt Gene Name	pgi
UniProt Synonym Gene Names	BCE33L4630; GPI; PGI; PHI
UniProt Entry Name	G6PI_BACCZ

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.