

Sheep Glucose 6 Phosphate ELISA Kit | G6P elisa kit

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CATALOG #
AAA95588

REACTIVITY
Sheep

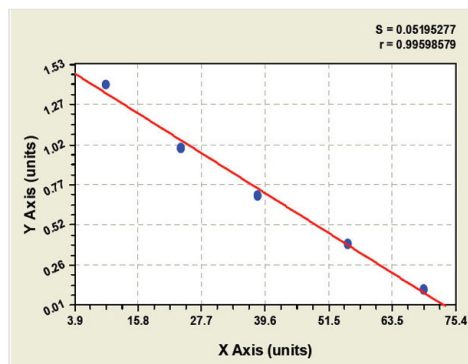
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25?g/mL
Sensitivity	0.1?g/mL
Intended Uses	This G6P ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep G6P. This ELISA kit for research use only, not for therapeutic applications
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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 a monoclonal 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.
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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.