

Mouse Glucose 6 Phosphate Dehydrogenase ELISA Kit | G6PD elisa kit

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CATALOG #
AAA90177

REACTIVITY
Mouse

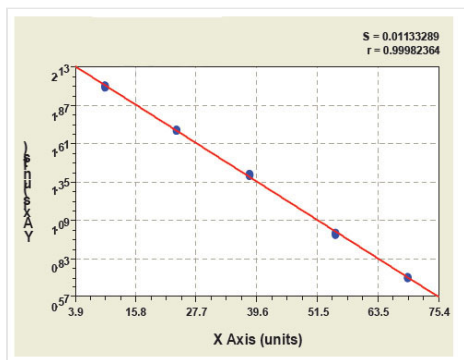
PRODUCT SYNONYMS

Glucose 6 Phosphate Dehydrogenase; Mouse Glucose 6 Phosphate Dehydrogenase ELISA Kit; G6PD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100?g/mL
Sensitivity	1.0?g/mL
Intended Uses	This G6PD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse G6PD. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for G6PD elisa kit

Principle of the Assay: G6PD ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-G6PD antibody and an G6PD-HRP conjugate. The assay sample and buffer are incubated together with G6PD-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 G6PD concentration since G6PD from samples and G6PD-HRP conjugate compete for the anti-G6PD antibody binding site. Since the number of sites is limited, as more sites are occupied by G6PD from the sample, fewer sites are left to bind G6PD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The G6PD concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3021532
UniProt Accession #	O65856
Molecular Weight	66,801 Da
NCBI Official Full Name	glucose-6-phosphate dehydrogenase
UniProt Protein Name	Glucose-6-phosphate 1-dehydrogenase
UniProt Entry Name	O65856_TOBAC

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/g6pd-mouse-elisa-kits/glucose-6-phosphate-dehydrogenase/90177>