

Human D 3 phosphoglycee dehydrogenase (PHGDH) ELISA Kit | PHGDH elisa kit

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CATALOG #
AAA245120

REACTIVITY
Human

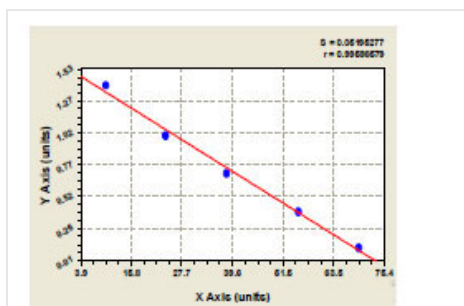
PRODUCT SYNONYMS

D 3 phosphoglycee dehydrogenase (PHGDH); Human D 3 phosphoglycee dehydrogenase (PHGDH) ELISA Kit; PHGDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for PHGDH elisa kit

Intended Uses: This PHGDH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PHGDH. This ELISA kit for research use only!

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

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.

