

Mouse 2, 3 Diphosphoglycerate ELISA Kit | 2, 3-DPG elisa kit

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CATALOG #
AAA86954

REACTIVITY
Mouse

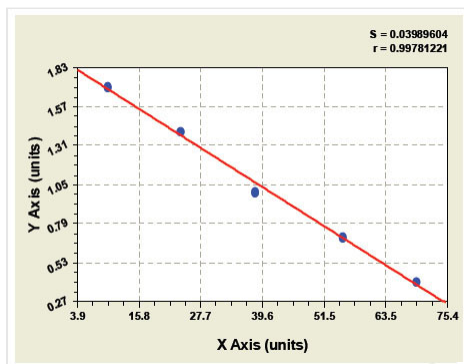
PRODUCT SYNONYMS

2; 3 Diphosphoglycerate; Mouse 2; 3 Diphosphoglycerate ELISA Kit; 3-DPG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ug/mL
Sensitivity	0.1ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 2, 3-DPG elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This 2,3-DPG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse 2,3-DPG. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY 2,3-DPG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-2,3-DPG antibody and an 2,3-DPG-HRP conjugate. The assay sample and buffer are incubated together with 2,3-DPG-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 2,3-DPG concentration since 2,3-DPG from samples and 2,3-DPG-HRP conjugate compete for the anti-2,3-DPG antibody binding site. Since the number of sites is limited, as more sites are occupied by 2,3-DPG from the sample, fewer sites are left to bind 2,3-DPG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 2,3-DPG concentration in each sample is interpolated from this standard curve.
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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/2-3-dpg-mouse-elisa-kits/2-3-diphosphoglycerate/86954>