

General 2, 3-Bisphosphoglycerate ELISA Kit | BPGM elisa kit

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CATALOG #
AAA310054

REACTIVITY
General

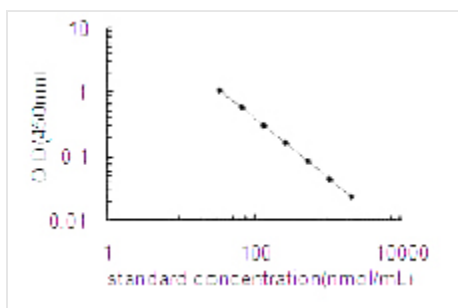
PRODUCT SYNONYMS

2; 3-Bisphosphoglycerate; General 2; 3-Bisphosphoglycerate ELISA Kit; 3-BPG; 3-Bisphosphoglyceric acid; 3-diphosphoglycerate; BPGM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay recognizes recombinant and natural General 2,3-Bisphosphoglycerate. No significant cross-reactivity or interference was observed.
Samples	Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	31.2-2000 nmol/mL.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BPGM elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of general 2,3-Bisphosphoglycerate concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to 2,3-Bisphosphoglycerate. During the reaction, 2,3-Bisphosphoglycerate in the sample or standard competes with a fixed amount of biotin-labeled 2,3-Bisphosphoglycerate for sites on a pre-coated Monoclonal antibody specific to 2,3-Bisphosphoglycerate. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of 2,3-Bisphosphoglycerate in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	179527
Molecular Weight	30,005 Da
NCBI Official Full Name	2,3-bisphosphoglycerate
UniProt Protein Name	Bisphosphoglycerate mutase
UniProt Gene Name	BPGM
UniProt Synonym Gene Names	DPGM

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/general-elisa-kits/2-3-bisphosphoglycerate/310054>