

Human Bisphosphoglycee mutase (BPGM) ELISA Kit | BPGM elisa kit

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CATALOG #
AAA245381

REACTIVITY
Human

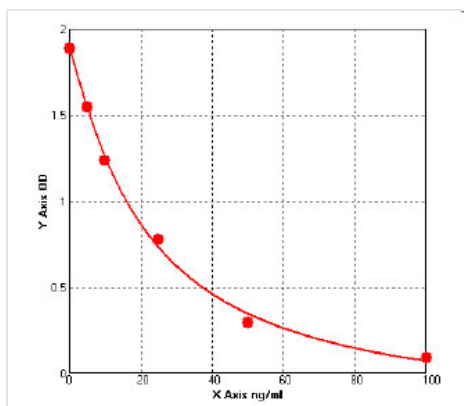
PRODUCT SYNONYMS

Bisphosphoglycee mutase (BPGM); Human Bisphosphoglycee mutase (BPGM) ELISA Kit; BPGM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BPGM. No significant cross-reactivity or interference between BPGM and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BPGM and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BPGM elisa kit	Intended Uses: This BPGM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BPGM. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: BPGM ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BPGM antibody and an BPGM-HRP conjugate. The assay sample and buffer are incubated together with BPGM-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 BPGM concentration since BPGM from samples and BPGM-HRP conjugate compete for the anti-BPGM antibody binding site. Since the number of sites is limited, as more sites are occupied by BPGM from the sample, fewer sites are left to bind BPGM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BPGM concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	641386940
NCBI GeneID	669
NCBI Accession #	NP_001280014.1
NCBI GenBank Nucleotide #	NM_001293085.1
Molecular Weight	30,005 Da
NCBI Official Full Name	bisphosphoglycerate mutase
NCBI Official Synonym Full Names	2,3-bisphosphoglycerate mutase
NCBI Official Symbol	BPGM
NCBI Official Synonym Symbols	DPGM
NCBI Protein Information	bisphosphoglycerate mutase; BPG-dependent PGAM; 2,3-diphosphoglycerate mutase; 2,3-bisphosphoglycerate synthase; erythrocyte 2,3-bisphosphoglycerate mutase; 2,3-bisphosphoglycerate mutase, erythrocyte
UniProt Protein Name	Bisphosphoglycerate mutase
UniProt Gene Name	BPGM
UniProt Synonym Gene Names	BPGM; DPGM
UniProt Entry Name	PMGE_HUMAN

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.