

Human Bisphosphoglycerate Mutase (BPGM) ELISA Kit | BPGM elisa kit

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CATALOG #
AAA149146

REACTIVITY
Human

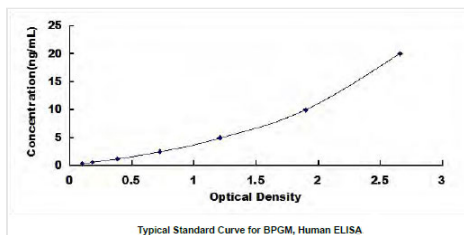
PRODUCT SYNONYMS

Bisphosphoglycerate Mutase (BPGM); Human Bisphosphoglycerate Mutase (BPGM) ELISA Kit; 2; 3-Bisphosphoglycerate Mutase; 3-bisphosphoglycerate mutase; erythrocyte; 3-bisphosphoglycerate synthase; BPG-dependent PGAM; BPGM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BMPR2. No significant cross-reactivity or interference between BMPR2 and analogues was observed.
Sequence Length	259
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMPR2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BMPR2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BPGM elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BMPR2 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to BMPR2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to BMPR2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain BMPR2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of BMPR2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for BPGM elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502445
NCBI GeneID	669
NCBI Accession #	NP_001715.1
NCBI GenBank Nucleotide #	NM_001724.5
UniProt Accession #	P07738; A4D1N9
Molecular Weight	30,005 Da
NCBI Official Full Name	bisphosphoglycerate mutase
NCBI Official Synonym Full Names	bisphosphoglycerate mutase
NCBI Official Symbol	BPGM
NCBI Official Synonym Symbols	DPGM
NCBI Protein Information	bisphosphoglycerate mutase
UniProt Protein Name	Bisphosphoglycerate mutase
UniProt Gene Name	BPGM
UniProt Synonym Gene Names	BPGM; 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/human-elisa-kits/bisphosphoglycerate-mutase-bpgm/149146>