

Mouse Bisphosphoglycerate Mutase ELISA Kit | BPGM elisa kit

Mouse Bisphosphoglycerate Mutase (BPGM) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190016

REACTIVITY
Mouse

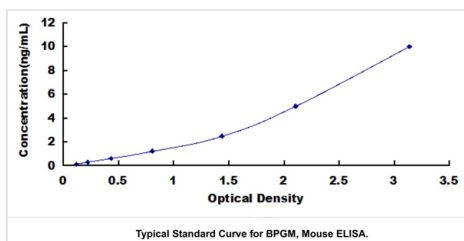
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Assay Type	Quantitative Sandwich
Samples	Mouse saliva, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BPGM 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 BPGM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BPGM elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to BPGM. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to BPGM. 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 BPGM, 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 BPGM in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BPGM in mouse saliva, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for BPGM elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680806
NCBI GeneID	12183
NCBI Accession #	NP_031589.1
NCBI GenBank Nucleotide #	NM_007563.4
UniProt Accession #	P15327; Q543Z6
Molecular Weight	29,978 Da
NCBI Official Full Name	bisphosphoglycerate mutase
NCBI Official Synonym Full Names	2,3-bisphosphoglycerate mutase
NCBI Official Symbol	Bpgm
NCBI Official Synonym Symbols	C86192; AI323730; AL022789
NCBI Protein Information	bisphosphoglycerate mutase
UniProt Protein Name	Bisphosphoglycerate mutase
UniProt Gene Name	Bpgm
UniProt Synonym Gene Names	BPGM

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.