BPGM mouse monoclonal antibody (hybridoma)

Catalog # H00000669-M Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant BPGM.
Immunogen	BPGM (NP_001715.1, 1 a.a. ~ 259 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSKYKLIMLRHGEGAWNKENRFCSWVDQKLNSEGMEEARNCGKQLKALNFEFDLVFTSVLNRSIHTAWLILEELGQEWVPVESSWRLNERHYGALIGLNREQMALNHGEEQVRLWRRSYNVTPPPIEESHPYYQEIYNDRRYKVCDVPLDQLPRSESLKDVLERLLPYWNERIAPEVLRGKTILISAHGNSSRALLKHLEGISDEDIINITLPTGVPILLELDENLRAVGPHQFLGDQEAIQAAIKKVEDQGKVKQAKK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (91)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee-for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — BPGM

Entrez GeneID	669
GeneBank Accession#	NM_001724.3
Protein Accession#	NP_001715.1
Gene Name	BPGM
Gene Alias	-
Gene Description	2,3-bisphosphoglycerate mutase
Omim ID	222800
Gene Ontology	Hyperlink
Gene Summary	2,3-diphosphoglycerate (2,3-DPG) is a small molecule found at high concentrations in red blood c ells where it binds to and decreases the oxygen affinity of hemoglobin. This gene encodes a multif unctional enzyme that catalyzes 2,3-DPG synthesis via its synthetase activity, and 2,3-DPG degra dation via its phosphatase activity. The enzyme also has phosphoglycerate phosphomutase activi ty. Deficiency of this enzyme increases the affinity of cells for oxygen. Mutations in this gene result in hemolytic anemia. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq
Other Designations	-

Pathway

- Biosynthesis of phenylpropanoids
- Glycolysis / Gluconeogenesis
- Metabolic pathways