DGUOK monoclonal antibody (M04), clone 4E5

Catalog # H00001716-M04 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant DGUOK.
Immunogen	DGUOK (AAH15757, 1 a.a. ~ 277 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAGRLFLSRLRAPFSSMAKSPLEGVSSSRGLHAGRGPRRLSIEGNIAVGKSTFVKLLTKTYPEW HVATEPVATWQNIQAAGTQKACTAQSLGNLLDMMYREPARWSYTFQTFSFLSRLKVQLEPFPEK LLQARKPVQIFERSVYSDRYIFAKNLFENGSLSDIEWHIYQDWHSFLLWEFASRITLHGFIYLQASPQ VCLKRLYQRAREEEKGIELAYLEQLHGQHEAWLIHKTTKLHFEALMNIPVLVLDVNDDFSEEVTKQ EDLMREVNTFVKNL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (75); Rat (76)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — DGUOK

Entrez GeneID	1716

GeneBank Accession#	BC015757
Protein Accession#	AAH15757
Gene Name	DGUOK
Gene Alias	dGK
Gene Description	deoxyguanosine kinase
Omim ID	251880 601465
Gene Ontology	Hyperlink
Gene Summary	In mammalian cells, the phosphorylation of purine deoxyribonucleosides is mediated predominantly by two deoxyribonucleoside kinases, cytosolic deoxycytidine kinase and mitochondrial deoxyguanosine kinase. The protein encoded by this gene is responsible for phosphorylation of purine deoxyribonucleosides in the mitochondrial matrix. In addition, this protein phosphorylates several purine deoxyribonucleoside analogs used in the treatment of lymphoproliferative disorders, and this phosphorylation is critical for the effectiveness of the analogs. Alternative splice variants encoding different protein isoforms have been described for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000160251|OTTHUMP00000160252|deoxyguanosine kinase, mitochondrial

Pathway

- Metabolic pathways
- Purine metabolism

Disease

- Kidney Failure