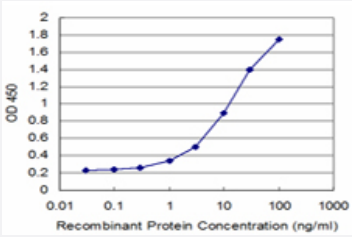
DCK monoclonal antibody (M02), clone 1E6

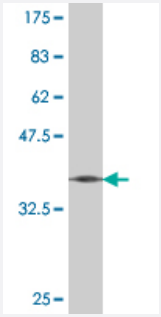
Catalog # H00001633-M02 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DCK is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DCK.
Immunogen	DCK (NP_000779, 161 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	WMNNQFGQSLELDGIIYLQATPETCLHRIYLRGRNEEQGIPLEYLEKLHYKHESWLLHRTLKTNFDY LQEVPILTLDVNEDFKDKYESLVEKVKEFLSTL
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged DCK is approximately 0.3ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — DCK

Entrez GeneID	1633
GeneBank Accession#	NM_000788
Protein Accession#	NP_000779
Gene Name	DCK
Gene Alias	MGC117410, MGC138632
Gene Description	deoxycytidine kinase
Omim ID	125450
Gene Ontology	Hyperlink
Gene Summary	Deoxycytidine kinase (DCK) is required for the phosphorylation of several deoxyribonucleosides and their nucleoside analogs. Deficiency of DCK is associated with resistance to antiviral and ant icancer chemotherapeutic agents. Conversely, increased deoxycytidine kinase activity is associat ed with increased activation of these compounds to cytotoxic nucleoside triphosphate derivatives. DCK is clinically important because of its relationship to drug resistance and sensitivity. [provided by RefSeq

Other Designations	-

Publication Reference

- Laser microdissection and primary cell cultures improve pharmacogenetic analysis in pancreatic adenocarcinoma.

  Funel N, Giovannetti E, Del Chiaro M, Mey V, Pollina LE, Nannizzi S, Boggi U, Ricciardi S, Del Tacca M, Bevilacqua G, Mosca F, Danesi R, Campani D.

  Laboratory Investigation; a Journal of Technical Methods and Pathology 2008 May; 88(7):773.

  Application: WB, Human, Primary cell cultures from patients with pancreatic ductal adenocarcinoma (PDAC)

Pathway

- Purine metabolism
- Pyrimidine metabolism

Disease

- Acute Disease
- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Kidney Failure
- Leukemia
- Neoplasms
- Neutropenia
- Pancreatic Neoplasms