

## DCK monoclonal antibody (M08), clone 1D12

Catalog # : H00001633-M08

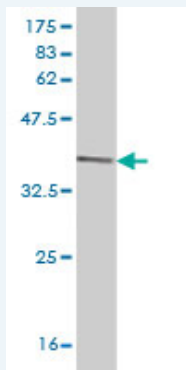
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant DCK.
<b>Immunogen:</b>	DCK (NP_000779, 161 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	WMNNQFGQSLELDGIIYLQATPETCLHRIYLRGRNEEQGIPLEYLEKLHY KHWLLHRTLKTNFDYLDQVPIITLDVNEFDKDYESLVEKVKEFLSTL
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	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.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Publication Reference

1. [The Role of HuR in Gemcitabine Efficacy in Pancreatic Cancer: HuR Up-regulates the Expression of the Gemcitabine Metabolizing Enzyme Deoxycytidine Kinase.](#) Costantino CL, Witkiewicz AK, Kuwano Y, Cozzitorto JA, Kennedy EP, Dasgupta A, Keen JC, Yeo CJ, Gorospe M, Brody JR. *Cancer Res.* 2009 Jun 1;69(11):4567-72.

### Applications

**Western Blot (Recombinant protein)**

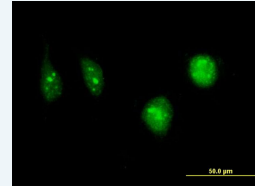
[Protocol Download](#)

**Immunofluorescence**

### Application Image

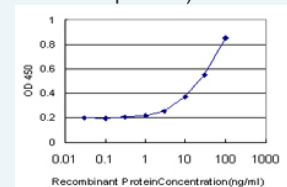
Western Blot (Recombinant protein)

Immunofluorescence



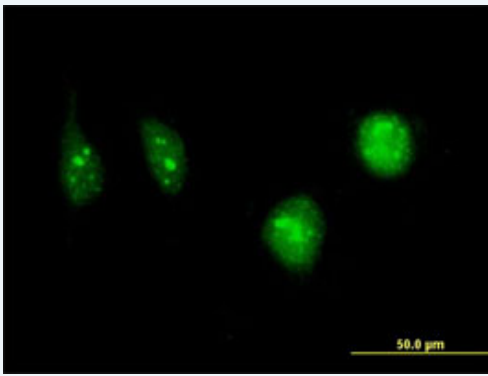
[enlarge](#)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA

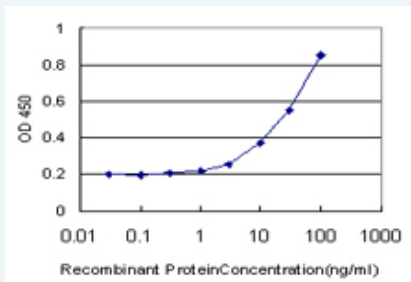


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to DCK on HeLa cell . [antibody concentration 10 ug/ml]

[Protocol Download](#)

### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged DCK is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

### ELISA

#### Gene Information

Entrez GeneID: [1633](#)

GeneBank [NM\\_000788](#)

Accession#:

Protein [NP\\_000779](#)

Accession#:

Gene Name: DCK

Gene Alias: MGC117410, MGC138632

Gene Description: deoxycytidine kinase

Description:

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 anticancer chemotherapeutic agents. Conversely, increased deoxycytidine kinase activity is associated 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: -

## Gene Pathway

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[Purine metabolism](#) [Pyrimidine metabolism](#)

## Related Disease

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[Acute Disease](#) [Adenocarcinoma](#) [Breast cancer](#) [Breast Neoplasms](#)  
[Carcinoma, Pancreatic Ductal](#) [Kidney Failure, Chronic](#) [Leukemia, Myeloid](#) [Neoplasms](#)  
[Neutropenia](#) [Pancreatic Neoplasms](#)

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