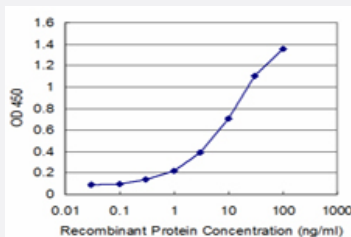


# PDK4 monoclonal antibody (M02), clone 1A9

Catalog # H00005166-M02

Size

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDK4 is approximately 0.3ng/ml as a capture antibody.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full-length recombinant PDK4.
<b>Immunogen</b>	PDK4 (AAH40239.1, 1 a.a. ~ 411 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MKAARFVLRSGSLNGAGLVPREVEHFSRYSPLSMKQLLDGSENACERTSFAFLRQELPVR LANILKEIDILPTQLVNTSSVQLVKSQYQSLMDLVEFHEKSPDDQKALSDFVDTLIKVRNRHHNVV PTMAQGIIIEYKDACTVDPVTNQNQLQYFLDRFYMNRISTRMLMNQHILIFSDSQTGNPSHIGSIDPNCD VVAVVQDAFECRMLCDQYYLSSPELKLTVNGKFPDQPIHVYVPSLHHMLFELFKNAMRATV EHQENQPSLTPIEVIVLGKEDLTIKISDRGGGVPLRIIDRLFSYTYSTAPTPVMDNSRNAPLAGFGY GLPISRLYAKYFQGDNLNLYSLSGYGTDAIYLKALSSSEIEKLPVFNKSAFKHYQMSSEADDWCIPSR EPKNLAKEVAM
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2b Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4

## Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDK4 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PDK4

Entrez GeneID [5166](#)

GeneBank Accession# [BC040239](#)

Protein Accession# [AAH40239.1](#)

Gene Name PDK4

Gene Alias FLJ40832

Gene Description pyruvate dehydrogenase kinase, isozyme 4

Omim ID [602527](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin. [provided by RefSeq]

**Other Designations** pyruvate dehydrogenase kinase 4|pyruvate dehydrogenase kinase, isoenzyme 4

## Disease

- [Diabetes Mellitus](#)