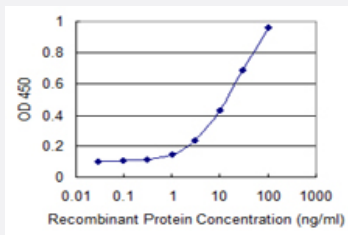


PANK4 monoclonal antibody (M10), clone 3C1

Catalog # H00055229-M10

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PANK4 is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PANK4.
Immunogen	PANK4 (NP_060686.1, 673 a.a. ~ 773 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AGMDPVVHSALQEERLLLVTGSSSPCLDLSRLDKGLAALVRERAGADLVVIEGMGRAVHTNYHA ALRCESLKLAVIKNAWLAERLGGRLFSVIFKYEVPAAE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
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

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PANK4 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PANK4

Entrez GeneID [55229](#)

GeneBank Accession# [NM_018216](#)

Protein Accession# [NP_060686.1](#)

Gene Name PANK4

Gene Alias DKFZp547M242, FLJ10782

Gene Description pantothenate kinase 4

Omim ID [606162](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein belonging to the pantothenate kinase family. Pantothenate kinase is a key regulatory enzyme in the biosynthesis of coenzyme A (CoA) in bacteria and mammalian cells. It catalyzes the first committed step in the universal biosynthetic pathway leading to CoA and is itself subject to regulation through feedback inhibition by CoA. This family member is most abundant in muscle but is expressed in all tissues. [provided by RefSeq]

Other Designations OTTHUMP00000000865|pantothenic acid kinase

Pathway

- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)