

ARG82616
Mouse CPT1B ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG82616 Mouse CPT1B ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CPT1B in serum, plasma and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	This kit could assay both natural and recombinant Mouse CPT1B. No significant cross-reactivity or interference was observed in the following samples: Human: IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, IL18, IL21, IL22, IL23, MCP1, TGF beta 1, TNF alpha and VEGF. Mouse: GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10 and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.
Target Name	CPT1B
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	44.6 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 2.5% Inter-Assay CV: 3.4%
Alternate Names	CPT1-M; Carnitine O-palmitoyltransferase 1, muscle isoform; CPT1M; Carnitine palmitoyltransferase I-like protein; CPTI; Carnitine palmitoyltransferase 1B; Carnitine O-palmitoyltransferase I, muscle isoform; MCPT1; CPTI-M; M-CPT1; EC 2.3.1.21; CPT I; MCCPT1

Application Instructions

Assay Time	~ 2.5 hours
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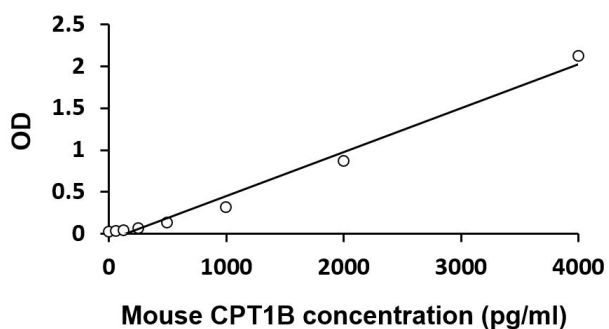
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CPT1B
Gene Full Name	carnitine palmitoyltransferase 1B (muscle)
Background	The protein encoded by this gene, a member of the carnitine/choline acetyltransferase family, is the rate-controlling enzyme of the long-chain fatty acid beta-oxidation pathway in muscle mitochondria. This enzyme is required for the net transport of long-chain fatty acyl-CoAs from the cytoplasm into the mitochondria. Multiple transcript variants encoding different isoforms have been found for this gene, and read-through transcripts are expressed from the upstream locus that include exons from this gene. [provided by RefSeq, Jun 2009]
Highlight	Related products: CPT1B antibodies ; CPT1B ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Mitochondrion outer membrane; Multi-pass membrane protein. [UniProt]

Images



ARG82616 Mouse CPT1B ELISA Kit standard curve image

ARG82616 Mouse CPT1B ELISA Kit results of a typical standard run with optical density reading at 450 nm.