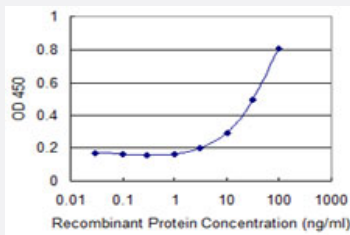


ETFA monoclonal antibody (M01), clone 2A5

Catalog # H00002108-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ETFA is 1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ETFA.
Immunogen	ETFA (AAH15526, 1 a.a. ~ 333 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MFRAAAPGQLRRAASLLRFQSTLVIAEHANDSLAPITLNTITAATRLGGEVSCLVAGTKCDKVAQDLCKVAGIAKVLVAQHDVYKGLLPEELTPLILATQKQFNETHICAGASAFGKNLLPRVAAKLEVAPISDIIAISKSPDTFVRTIYAGNALCTVKCDEKVKVFSVRGTSFDAAATSGGSASSEKASSTSPVEISEWLDQKLTKSDRPELTGAKVVVSGGRGLKSGENFKLLYDLADQLHAAVGASRAAVDAGFVPNDMQVGQTGKIVAPELYIavgisgaIQHLAGMKDSKTIVAINKDPEAPIFQVADYGVADLFKVVPEMTEILKKK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (95)
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

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[Protocol Download](#)

- ELISA

Gene Info — ETFA

Entrez GeneID
[2108](#)
GeneBank Accession#
[BC015526](#)
Protein Accession#
[AAH15526](#)
Gene Name

ETFA

Gene Alias

EMA, GA2, MADD

Gene Description

electron-transfer-flavoprotein, alpha polypeptide

Omim ID
[231680 608053](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

ETFA participates in catalyzing the initial step of the mitochondrial fatty acid beta-oxidation. It shuttles electrons between primary flavoprotein dehydrogenases and the membrane-bound electron transfer flavoprotein ubiquinone oxidoreductase. Defects in electron-transfer-flavoprotein have been implicated in type II glutaricaciduria in which multiple acyl-CoA dehydrogenase deficiencies result in large excretion of glutaric, lactic, ethylmalonic, butyric, isobutyric, 2-methyl-butyric, and isovaleric acids. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

electron transfer flavoprotein alpha-subunit|electron transfer flavoprotein, alpha polypeptide|glutaric aciduria II

Disease

- [Lipid Metabolism Disorders](#)
- [Muscular Diseases](#)