BT LAB
Bioassay Technology Laboratory
Optimize Your Research

ACADM Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2502
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human ACADM (AA: 26-185) expressed in E. Coli.
Mol wt	46.6KDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	MCAD;ACAD1;MCADH

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, which can result in infantile death. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

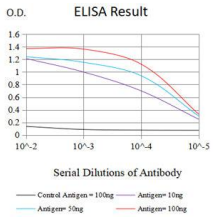
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

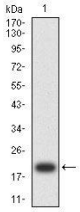
ELISA: 1:10000

Not yet tested in other applications.

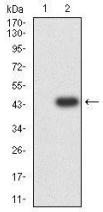
Images



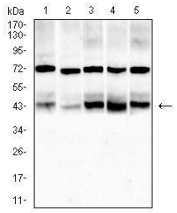
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



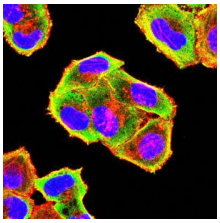
Western blot analysis using ACADM mAb against human ACADM (AA: 26-185) recombinant protein. (Expected MW is 20.5kDa)



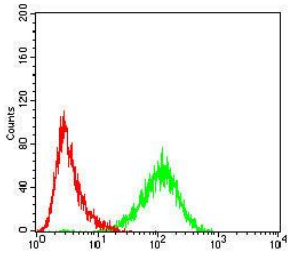
Western blot analysis using ACADM mAb against HEK293-6e (1) and ACADM (AA: 26-185)-hIgGFc transfected HEK293-6e (2) cell lysate.



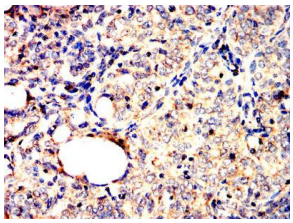
Western blot analysis using ACADM mouse mAb against Hela (1), HepG2 (2),Jurkat (3),Raji (4) and K562 (5) cell lysate.



Immunofluorescence analysis of Hela cells using ACADM mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HL-60 cells using ACADM mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded cervical carcinoma tissues using ACADM mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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