

CoraLite®594-conjugated ACADM Monoclonal antibody

Catalog Number: **CL594-67742**

Basic Information

Catalog Number: CL594-67742	GenBank Accession Number: BC005377	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 34	CloneNo.: 1A11G6
Source: Mouse	UNIPROT ID: P11310	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	Full Name: acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG30620	Calculated MW: 421 aa, 47 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse liver tissue,
Species Specificity: Human	

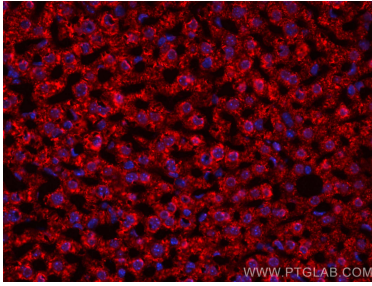
Background Information

ACADM, also named as MCAD, belongs to the acyl-CoA dehydrogenase family. This enzyme is specific for acyl chain lengths of 4 to 16. It catalyzes the reaction: Acyl-CoA + acceptor = 2,3-dehydroacyl-CoA + reduced acceptor. Defects in ACADM are the cause of medium-chain acyl-CoA dehydrogenase deficiency (MCAD deficiency). This protein can exist as a dimer (PMID:8962055). This antibody is specific to ACADM.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using CoraLite®594 ACADM antibody (CL594-67742, Clone: 1A11G6) at dilution of 1:200.