

For Research Use Only

# 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: 100ul , Concentration: 1000 µg/ml by Nanodrop;	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	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.

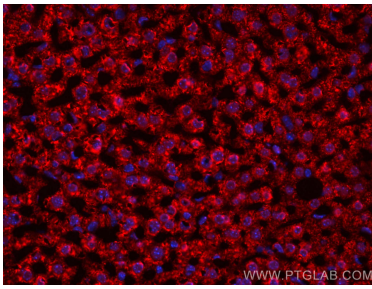
## Storage

**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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## 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.