

DCI mouse monoclonal antibody (hybridoma)

Catalog # H00001632-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant DCI.
Immunogen	DCI (AAH09631.1, 1 a.a. ~ 243 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKFKNPPVNSLSLEFLTELVISLEKLENDKSFRGVILTSDRPGVFSAGLDLTEMCGRSPAHYAGY WKAVQELWLRLYQSNLVLVSAINGACPAGGCLVALTCDYRILADNPRYCIGLNETQLGIAPFWLKD TLENTIGHRAAERALQLGLLFPPAEALQVGVDQVVP EEQVQSTALSAIAQWMAIPDHARQLTKAM MRKATASRLVTQRDADVQNFVSFISKDSIQKSLQMYLERLKEEKG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (79)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — DCI

Entrez GeneID	1632
GeneBank Accession#	BC009631.1
Protein Accession#	AAH09631.1
Gene Name	DCI
Gene Alias	-
Gene Description	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)
Omim ID	600305
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the hydratase/isomerase superfamily. The protein encoded is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters arising during the stepwise degradation of cis-, mono-, and polyunsaturated fatty acids to the 2-trans-enoyl-CoA intermediates. Alternatively spliced transcript variants have been described, but their full-length nature has not been determined. [provided by RefSeq]
Other Designations	3,2 trans-enoyl-Coenzyme A isomerase D3,D2-enoyl-CoA isomerase acetylene-allene isomerase delta3, delta2-enoyl-CoA isomerase dodecenoyl-CoA delta isomerase dodecenoyl-Coenzyme A delta isomerase

Pathway

- [Fatty acid metabolism](#)