

# MMADHC mouse monoclonal antibody (hybridoma)

Catalog # H00027249-M

Size Up to 5 Clones

## Specification

|                                      |                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a full-length recombinant MMADHC.                                                                                                                                                                                                                                              |
| <b>Immunogen</b>                     | MMADHC (NP_056517.1, 1 a.a. ~ 296 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                 |
| <b>Sequence</b>                      | MANVLCNRARLVSYLPGFCSLVKRVVNPKAFSTAGSSGSDESHVAAAPPDICSRTVWPDETMG<br>PFGPQDQRFQLPGNIGFDCHLNGTASQKKSLVHKTLPDVLAEPLSSERHEFVMAQYVNEFQGND<br>APVEQEINSAETYFESARVECAIQTCPELLRKDFESLFPEVANGKLMILTVTQKTKNDMTVWSEEV<br>EIEREVLLEKFINGAKEICYALRAEGYWADFIDPSSGLAFFGPYTNTLFETDERYRHLGFSVDDL<br>GCKVIRHSLWGTHVVVGSIFTNATPD SHIMKKLSGN |
| <b>Host</b>                          | Mouse                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                   |
| <b>Interspecies Antigen Sequence</b> | Mouse (93); Rat (92)                                                                                                                                                                                                                                                                                                    |
| <b>Quality Control Testing</b>       | Antibody reactivity and specificity confirmed by ELISA and Western Blot.                                                                                                                                                                                                                                                |
| <b>Deliverables</b>                  | Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.                                                                                                                                                                                                                                 |
| <b>Note</b>                          | 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 — MMADHC

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">27249</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| GeneBank Accession# | <a href="#">NM_015702.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Accession#  | <a href="#">NP_056517.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Name           | MMADHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Alias          | C2orf25, CL25022                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Description    | methylmalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Summary        | <p>This gene encodes a mitochondrial protein that is involved in an early step of vitamin B12 metabolism. Vitamin B12 (cobalamin) is essential for normal development and survival in humans. Mutations in this gene cause methylmalonic aciduria and homocystinuria type cblD (MMADHC), a disorder of cobalamin metabolism that is characterized by decreased levels of the coenzymes adenosylcobalamin and methylcobalamin. Pseudogenes have been identified on chromosomes 11 and X</p> |
| Other Designations  | protein C2orf25, mitochondrial                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Disease

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