

Mouse MMACHC Monoclonal Antibody | anti-MMACHC antibody

MMACHC antibody

CATALOG # AAA107200	HOST Mouse	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

MMACHC; Monoclonal Antibody; MMACHC antibody; Monoclonal MMACHC; Anti-MMACHC; cbIC; DKFZp564I122; FLJ25671; RP11-291L19.3; anti-MMACHC antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4E9
Purity/Purification	MMACHC antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	0.5-1 mg/ml (varies by lot)
Sequence Length	282
Applicable Applications for anti-MMACHC antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Biological Significance	The exact function of the protein encoded by this gene is not known, however, its C-terminal region shows similarity to TonB, a bacterial protein involved in energy transduction for cobalamin (vitamin B12) uptake. Hence, it is postulated that this protein may have a role in the binding and intracellular trafficking of cobalamin. Mutations in this gene are associated with methylmalonic aciduria and homocystinuria type cbIC.
Cross-Reactivity	Human
Immunogen	MMACHC antibody was raised in Mouse using full length human recombinant protein of human MMACHC produced in HEK293T cell as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant MMACHC protein (Right) or empty vector (Left) detected with MMACHC antibody



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of HEK293T cells transfected with either recombinant MMACHC protein (red) or empty vector (blue) stained using MMACHC antibody

ADDITIONAL INFORMATION

Related Product Information for anti-MMACHC antibody	Mouse monoclonal MMACHC antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153070822
NCBI GeneID	25974
NCBI Accession #	NP_056321.2
NCBI GenBank Nucleotide #	NM_015506.2
UniProt Accession #	Q9Y4U1; Q5T157; Q9BRQ7
Molecular Weight	31,728 Da
NCBI Official Full Name	methylmalonic aciduria and homocystinuria type C protein
NCBI Official Synonym Full Names	methylmalonic aciduria (cobalamin deficiency) cbIC type, with homocystinuria
NCBI Official Symbol	MMACHC
NCBI Official Synonym Symbols	cbIC
NCBI Protein Information	methylmalonic aciduria and homocystinuria type C protein
UniProt Protein Name	Methylmalonic aciduria and homocystinuria type C protein
UniProt Gene Name	MMACHC
UniProt Entry Name	MMAC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.