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Product datasheet for TA504939AM

MMACHC Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1E7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1E7
Applications:	FC, WB
Recommended Dilution:	WB 1:2000, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MMACHC(NP_056321) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31.5 kDa
Gene Name:	metabolism of cobalamin associated C
Database Link:	NP_056321 Entrez Gene 25974 Human Q9Y4U1
Background:	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 cblC. [provided by RefSeq]

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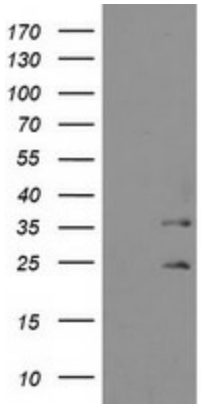
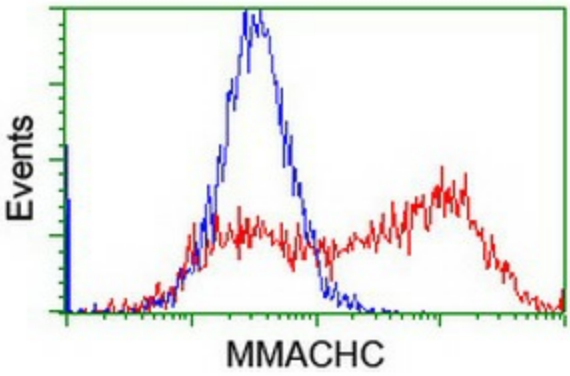
Synonyms: cblC

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MMACHC ([RC223846], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MMACHC. Positive lysates [LY402444] (100ug) and [LC402444] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC223846] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MMACHC antibody ([TA504939]), and then analyzed by flow cytometry.