

## Product datasheet for **CF502166**

### MMAB Mouse Monoclonal Antibody [Clone ID: OTI4D12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4D12
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MMAB (NP_443077) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kDa
Gene Name:	metabolism of cobalamin associated B
Database Link:	<a href="#">NP_443077</a> <a href="#">Entrez Gene 326625 Human</a> <a href="#">Q96EY8</a>



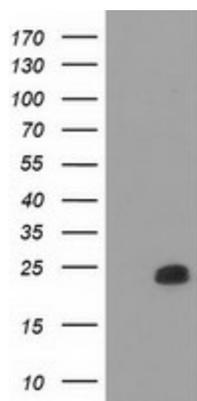
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**Background:** This gene encodes a protein that catalyzes the final step in the conversion of vitamin B(12) into adenosylcobalamin (AdoCbl), a vitamin B12-containing coenzyme for methylmalonyl-CoA mutase. Mutations in the gene are the cause of vitamin B12-dependent methylmalonic aciduria linked to the cblB complementation group. [provided by RefSeq]

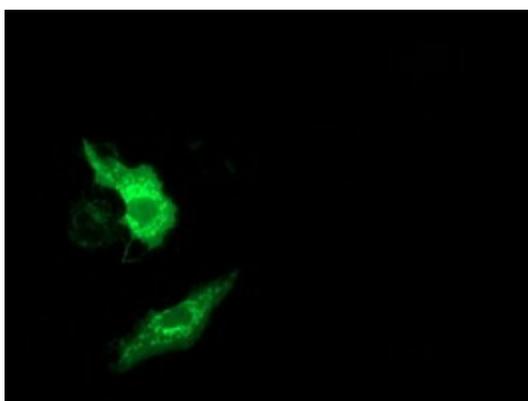
**Synonyms:** ATR; cblB; CFAP23; cob

**Protein Pathways:** Metabolic pathways, Porphyrin and chlorophyll metabolism

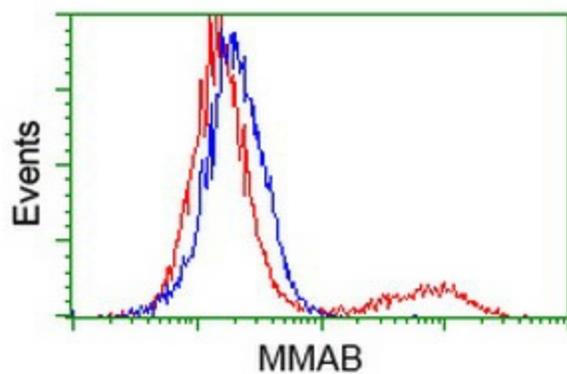
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MMAB ([RC204290], 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-MMAB. Positive lysates [LY409455] (100ug) and [LC409455] (20ug) can be purchased separately from OriGene.



Anti-MMAB mouse monoclonal antibody ([TA502166]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MMAB ([RC204290]).



HEK293T cells transfected with either [RC204290] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MMAB antibody ([TA502166]), and then analyzed by flow cytometry.