

Product datasheet for CF502167

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436

OriGene Technologies, Inc.

Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

MMAB Mouse Monoclonal Antibody [Clone ID: OTI3B8]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI3B8

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: NP 443077

Entrez Gene 326625 Human

Q96EY8





Background: This gene encodes a protein that catalyzes the final step in the conversion of vitamin B(12)

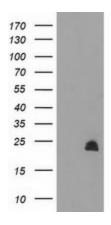
into adenosylcobalamin (AdoCbl), a vitamin B12-containing coenzyme for methylmalonyl-CoA mutase. Mutations in the gene are the cause of vitamin B12-dependent methylmalonic

aciduria linked to the cblB complementation group. [provided by RefSeq]

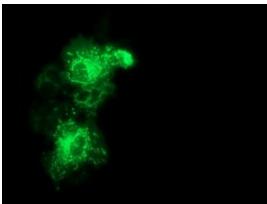
Synonyms: ATR; cblB; CFAP23; cob

Protein Pathways: Metabolic pathways, Porphyrin and chlorophyll metabolism

Product images:

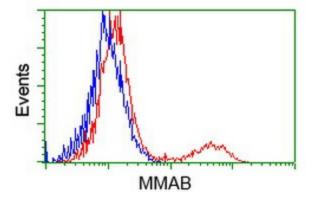


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MMAB ([RC204290], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MMAB. Positive lysates [LY409455] (100ug) and [LC409455] (20ug) can be purchased separately from OriGene.



Anti-MMAB mouse monoclonal antibody ([TA502167]) 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 ([TA502167]), and then analyzed by flow cytometry.