

# **Product datasheet for CF503088**

### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## LCMT1 Mouse Monoclonal Antibody [Clone ID: OTI2F8]

### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI2F8
Applications: FC, WB

Recommended Dilution: WB 1:2000, FLOW 1:100

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human LCMT1(NP\_057393) 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: 38.2 kDa

**Gene Name:** leucine carboxyl methyltransferase 1

Database Link: NP 057393

Entrez Gene 30949 MouseEntrez Gene 361643 RatEntrez Gene 51451 Human

Q9UIC8

**Background:** LCMT1 catalyzes the methylation of the carboxyl group of the C-terminal leucine residue

(leu309) of the catalytic subunit of protein phosphatase-2A (PPP2CA; MIM 176915) (De Baere

et al., 1999 [PubMed 10600115]). [supplied by OMIM]



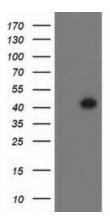


Synonyms: CGI-68; LCMT; PPMT1

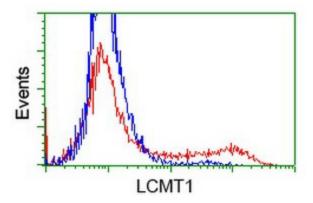
**Protein Pathways:** Androgen and estrogen metabolism, Histidine metabolism, Selenoamino acid metabolism,

Tyrosine metabolism

### **Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LCMT1 ([RC200018], 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-LCMT1. Positive lysates [LY414046] (100ug) and [LC414046] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC200018] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-LCMT1 antibody ([TA503088]), and then analyzed by flow cytometry.