For Research Use Only.
Not for use in diagnostic procedures.

Anti-CPM mAb

CODE No. M233-3

CLONALITY Monoclonal
CLONE C3-1
ISOTYPE Mouse IgG1 κ
QUANTITY 100 µL, 100 µg/mL

SOURCE Purified IgG from hybridoma supernatant
FORMULATION PBS containing 50% glycerol (pH 7.2). No preservative is contained.
STORAGE This antibody solution is stable for one year from the date of purchase when stored at -20°C.

APPLICATIONS-CONFIRMED

Western blotting	Not recommended
Flow cytometry	0.1-1 µg/mL

SPECIES CROSS REACTIVITY on FCM

Species	Human	Mouse	Rat	Monkey
Cells	SiHa	NIH/3T3	Rat1	COS-7
Reactivity	+	-	-	+ (weak)

Entrez Gene ID 1368 (Human)

REFERENCE

1) Kido, T., *et al.*, *Stem Cell Reports.* **5**, 508-515 (2015)

RELATED PRODUCTS

D293-3	Anti-CPM (Mouse) mAb
W008-3	Anti-Carboxypeptidase D (Human) mAb
M075-3	Mouse IgG1 (isotype control)

For more information, please visit our web site **http://ruo.mbl.co.jp/**

MEDICAL & BIOLOGICAL LABORATORIES CO., LTD.
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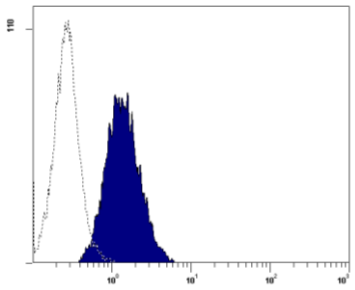
Flow cytometric analysis

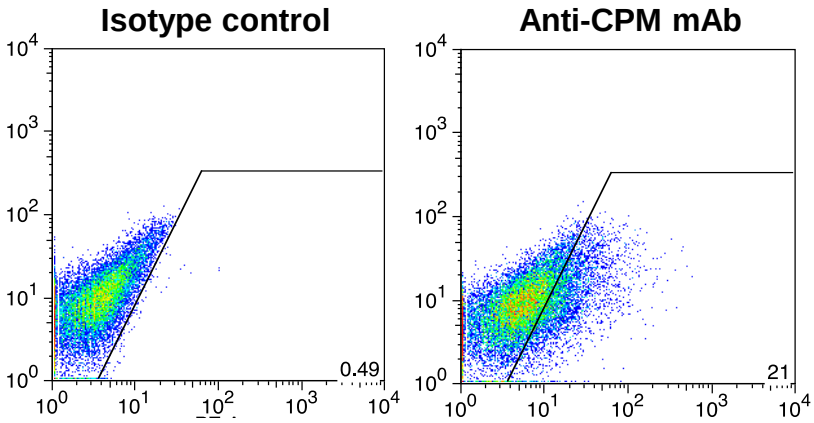
1) Wash the cells (5 x 10^5 cells/sample) 1 time with washing buffer [PBS containing 0.5% BSA and 2 mM EDTA].
2) Add 40 µL of the primary antibody at the concentration as suggested in the **APPLICATIONS** diluted with washing buffer. Mix well and incubate for 30 min. at room temperature.
3) Wash the cells 2 times with washing buffer.
4) Add 40 µL of 1:1,000 Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor® 488 conjugate (Thermo Fisher Scientific; code no. A-11006) diluted with washing buffer. Mix well and incubate for 30 min. at room temperature.
5) Wash the cells 2 times with washing buffer.
6) Resuspend the cells with 500 µL of the washing buffer and analyze by a flow cytometer.

(Positive control for Flow cytometry; SiHa)



Flow cytometric analysis of CPM on SiHa

Open: Mouse IgG1 (isotype control) (M075-3)
Closed: Anti-CPM mAb (M233-3)



Flow cytometric analysis of CPM on hiPSC-derived liver progenitor cells

Antibody: Anti-CPM mAb (M233-3), 50 ng/mL

Data were kindly provided by Drs. Taketomo Kido and Atsushi Miyajima. (Laboratory of Cell Growth and Differentiation, Institute of Molecular and Cellular Biosciences, The University of Tokyo)