

# Anti-CPM mAb

<b>CODE No.</b>	M233-3
<b>CLONALITY</b>	Monoclonal
<b>CLONE</b>	C3-1
<b>ISOTYPE</b>	Mouse IgG1 $\kappa$
<b>QUANTITY</b>	100 $\mu$ L, 100 $\mu$ g/mL
<b>SOURCE</b>	Purified IgG from hybridoma supernatant
<b>FORMULATION</b>	PBS containing 50% glycerol (pH 7.2). No preservative is contained.
<b>STORAGE</b>	This antibody solution is stable for one year from the date of purchase when stored at -20°C.

## APPLICATIONS-CONFIRMED

<u>Western blotting</u>	Not recommended
<u>Flow cytometry</u>	0.1-1 $\mu$ g/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)

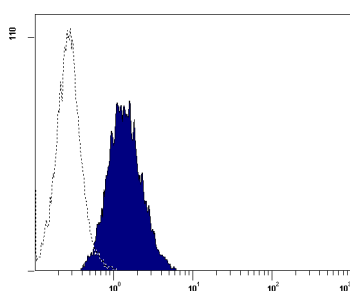
For more information, please visit our website at <https://ruo.mbl.co.jp/>.

The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

### **Flow cytometric analysis**

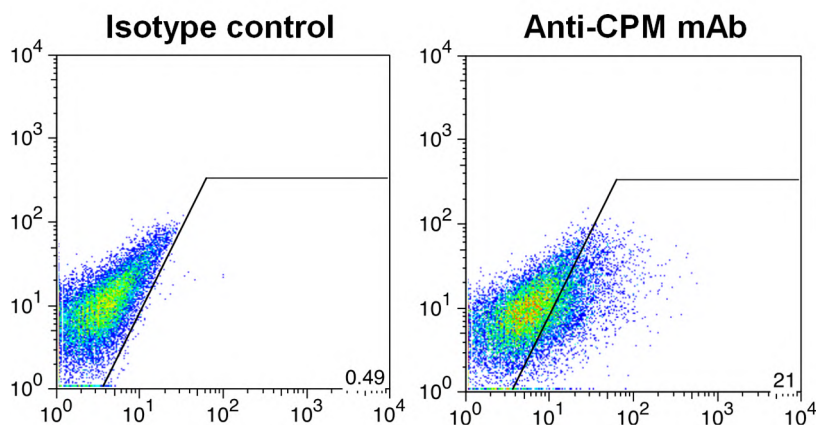
- 1) Wash the cells ( $5 \times 10^5$  cells/sample) 1 time with washing buffer [PBS containing 0.5% BSA and 2 mM EDTA].
- 2) Add 40  $\mu$ L of the primary antibody at the concentration as suggested in the **APPLICATIONS** diluted with washing buffer. Mix well and incubate for 30 min. at room temperature.
- 3) Wash the cells 2 times with washing buffer.
- 4) Add 40  $\mu$ L of 1:1,000 Goat anti-Mouse IgG (H+L) Cross-Absorbed Secondary Antibody, Alexa Fluor™ 488 (Thermo Fisher Scientific; catalog# A-11001) 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  $\mu$ L 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)