

# Anti-SynCAM (TSLC1/CADM1) mAb -Biotin

**CODE No.** CM004-6

**CLONALITY** Monoclonal  
**CLONE** 3E1  
**ISOTYPE** Chicken IgY  
**QUANTITY** 100 µL, 1 mg/mL

**SOURCE** Purified IgY from hybridoma supernatant  
**IMMUNOGEN** Recombinant SynCAM-Fc fusion protein  
**FORMULATION** PBS containing 1% BSA and 0.1% ProClin 150  
**STORAGE** This antibody solution is stable for one year from the date of purchase when stored at 4°C.

## APPLICATION-CONFIRMED

Flow cytometry 1 µg/mL

## APPLICATION-REPORTED

Immunoprecipitation Reference 2)

## SPECIES CROSS REACTIVITY on FCM

Species	Human	Mouse	Rat*	Hamster
Cell	Transfectant	Not tested	Not tested	Not tested
Reactivity	+			

\*Reactivity of this antibody to rat is not confirmed in our laboratory. However, it is reported that this antibody reacts rat brain lysate<sup>2)</sup>.

**Entrez Gene ID** 23705 (Human)

**REFERENCE** 1) Balan, S., *et al.*, *Cell Rep.* **24**, 1902-1915.e6 (2018) [FCM]  
2) Rademacher, N., *et al.*, *Sci. Rep.* **6**, 35283 (2016) [IP]

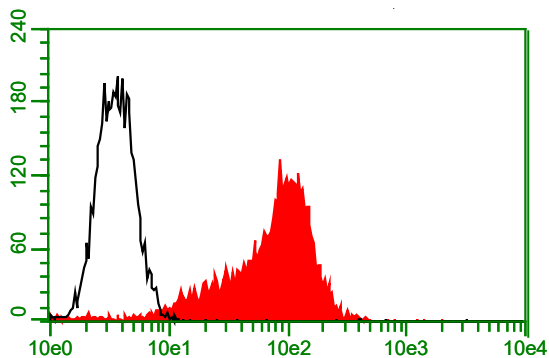
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The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

### **Flow cytometric analysis**

- 1) Wash the cells ( $5 \times 10^5$  cells/sample) 3 times with 1 mL of the Washing buffer [PBS containing 2% fetal calf serum (FCS)].
- 2) Add 10  $\mu$ L of Clear Back (MBL; code no. MTG-001) to the cell pellet after tapping. Mix well and incubate for 5 min. at room temperature.
- 3) Add 30  $\mu$ L of the primary antibody at the concentration as suggested in the **APPLICATION** diluted in the Washing buffer. Mix well and incubate for 20 min. at room temperature.
- 4) Wash the cells 1 time with 1 mL of the Washing buffer.
- 5) Add Streptavidin-FITC diluted with washing buffer. Mix well and incubate for 20 min. at room temperature.
- 6) Wash the cells 1 time with 1 mL of the Washing buffer.
- 7) Resuspend the cells with 500  $\mu$ L of the Washing buffer and analyze by a flow cytometer.

(Positive control for Flow cytometry; Transfectant)



### ***Flow cytometric detection of human SynCAM***

Open: Parental cell

Closed: SynCAM transfectant

Antibody: Anti-SynCAM (TSLC1/CADM1) mAb-Biotin (CM004-6)