

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

Normal Chicken IgY

CODE No.	PM084
CLONALITY	Polyclonal
ISOTYPE	Chicken IgY
QUANTITY	200 µL, 1 mg/mL
SOURCE	Purified IgY from egg yolks
REACTIVITY	No specific reaction was detected on Flow cytometry, but will cross-react with human whole blood cells at high concentration.
FORMULATION	1 mg/mL in PBS containing 50% glycerol. No preservative is contained.
STORAGE	This antibody solution is stable for one year from the date of purchase when stored at -20°C.
APPLICATION	
<u>Flow cytometry</u>	This antibody can be used as a negative control. The concentration will depend on the conditions.

SPECIES CROSS REACTIVITY on FCM

Species	Human	Mouse	Rat	Hamster
Samples	Lymphocyte, HL-60, Raji, whole blood (< 1 µg/mL)	L cell	Not tested	Not tested
Reactivity	-	-		

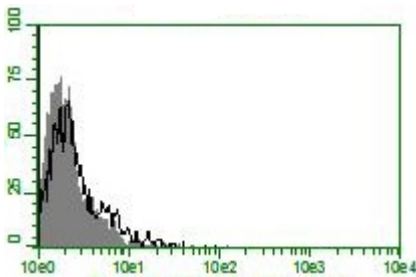
RELATED PRODUCTS

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

Flow cytometric analysis for lymphocytes

- 1) Separate lymphocytes from human peripheral blood according to standard procedures.
- 2) Wash the cells (5×10^5 cells/sample) 1 time with 1 mL of the washing buffer [PBS containing 2% fetal calf serum (FCS)].
- 3) Add 10 μ L of Clear Back (MBL; code no. MTG-001) to the cell pellet after tapping. Mix well and incubate for 10 min. at room temperature.
- 4) Add 40 μ L of the negative control antibody at the concentration comparable to the specific antibody of interest. The antibody is diluted with the washing buffer. Mix well and incubate for 30 min. at room temperature.
- 5) Wash the cells 1 time with 1 mL of the washing buffer.
- 6) Add 40 μ L of 1:100 Anti-Chicken IgG FITC conjugated (MILLIPORE; code no. AP162F) diluted with washing buffer. Mix well and incubate for 30 min. at room temperature.
- 7) Wash the cells 1 time with 1 mL of the washing buffer.
- 8) Resuspend the cells with 500 μ L of the washing buffer and analyze by a flow cytometer.

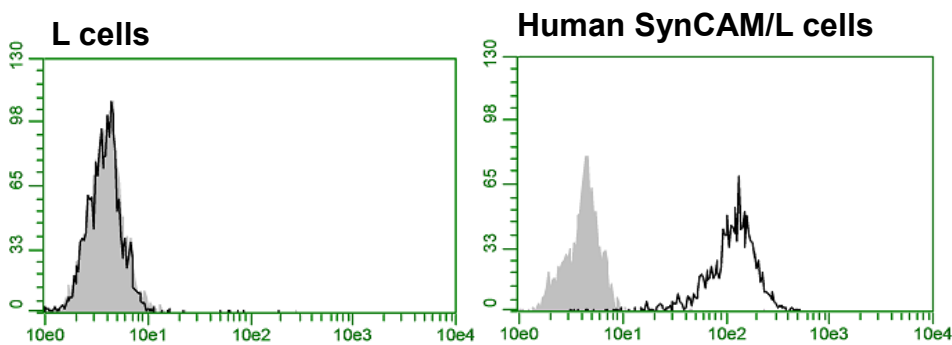


Reactivity of Normal Chicken IgY to human lymphocytes

- Open: Normal Chicken IgY (PM084) (5 μ g/mL)
- Closed: Normal Chicken IgY (PM084) (1 μ g/mL)

Flow cytometric analysis for cells

- 1) Wash the cells (5×10^5 cells/sample) 1 time with 1 mL of the washing buffer [PBS containing 2% fetal calf serum (FCS)].
- 2) Add 10 μ L of Clear Back (human Fc receptor blocking reagent, MBL; code no. MTG-001) to the cell pellet after tapping. Mix well and incubate for 10 min. at room temperature.
- 3) Add 40 μ L of the isotype control antibody at the concentrations comparable to those of the specific antibody of interest. The antibody is diluted with the washing buffer. Mix well and incubate for 30 min. at room temperature.
- 4) Wash the cells 1 time with 1 mL of the washing buffer.
- 5) Add 40 μ L of 1:100 Anti-Chicken IgG FITC conjugated (MILLIPORE; code no. AP162F) diluted with washing buffer. Mix well and incubate for 30 min. at room temperature.
- 6) Wash the cells 1 time with 1 mL of the washing buffer.
- 7) Resuspend the cells with 500 μ L of the washing buffer and analyze by a flow cytometer.



Flow cytometric detection of human SynCAM

Open: Anti-SynCAM mAb (CM004-3) ($1 \mu\text{g/mL}$)
Closed: Normal Chicken IgY (PM084) ($1 \mu\text{g/mL}$)