

**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
Flow cytometry
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	-	-		

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

RELATED PRODUCTS

Primary antibodies

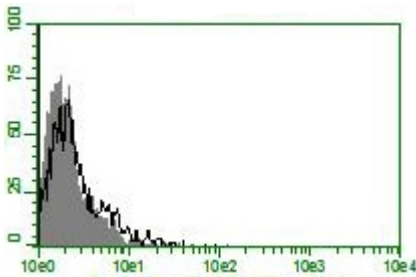
M075-3	Mouse IgG1 (isotype control) (2E12)
M075-4	Mouse IgG1 (isotype control)-FITC (2E12)
M075-5	Mouse IgG1 (isotype control)-PE (2E12)
M075-A48	Mouse IgG1 (isotype control)-Alexa Fluor [®] 488 (2E12)
M075-A64	Mouse IgG1 (isotype control)-Alexa Fluor [®] 647 (2E12)
M075-8	Mouse IgG1 (isotype control)-Agarose (2E12)
M075-11	Mouse IgG1 (isotype control)-Magnetic Beads (2E12)
M076-3	Mouse IgG2a (isotype control) (6H3)
M076-4	Mouse IgG2a (isotype control)-FITC (6H3)
M076-5	Mouse IgG2a (isotype control)-PE (6H3)
M076-A48	Mouse IgG2a (isotype control)-Alexa Fluor [®] 488 (6H3)
M076-A64	Mouse IgG2a (isotype control)-Alexa Fluor [®] 647 (6H3)
M076-11	Mouse IgG2a (isotype control)-Magnetic Beads (6H3)
M077-3	Mouse IgG2b (isotype control) (3D12)
M077-4	Mouse IgG2b (isotype control)-FITC (3D12)
M077-5	Mouse IgG2b (isotype control)-PE (3D12)
M077-A48	Mouse IgG2b (isotype control)-Alexa Fluor [®] 488 (3D12)
M077-A64	Mouse IgG2b (isotype control)-Alexa Fluor [®] 647 (3D12)
M077-11	Mouse IgG2b (isotype control)-Magnetic Beads (3D12)
M078-3	Mouse IgG3 (isotype control) (6A3)
M078-4	Mouse IgG3 (isotype control)-FITC (6A3)
M079-3	Mouse IgM (isotype control) (7E10)
M080-3	Rat IgG1 (isotype control) (1H5)
M080-4	Rat IgG1 (isotype control)-FITC (1H5)
M080-5	Rat IgG1 (isotype control)-PE (1H5)
M080-A48	Rat IgG1 (isotype control)-Alexa Fluor [®] 488 (1H5)
M080-A64	Rat IgG1 (isotype control)-Alexa Fluor [®] 647 (1H5)
M081-3	Rat IgG2a (isotype control) (2H3)
M081-4	Rat IgG2a (isotype control)-FITC (2H3)
M081-5	Rat IgG2a (isotype control)-PE (2H3)
M081-A48	Rat IgG2a (isotype control)-Alexa Fluor [®] 488 (2H3)
M081-A64	Rat IgG2a (isotype control)-Alexa Fluor [®] 647 (2H3)
M081-8	Rat IgG2a (isotype control)-Agarose (2H3)
M081-11	Rat IgG2a (isotype control)-Magnetic Beads (2H3)
M082-3	Rat IgG2c (isotype control) (6E12)
M082-4	Rat IgG2c (isotype control)-FITC (6E12)
M090-3	Rat IgG2b (isotype control) (3G8)
M090-4	Rat IgG2b (isotype control)-FITC (3G8)
M090-5	Rat IgG2b (isotype control)-PE (3G8)
M090-A48	Rat IgG2b (isotype control)-Alexa Fluor [®] 488 (3G8)
M090-A64	Rat IgG2b (isotype control)-Alexa Fluor [®] 647 (3G8)
PM035	Normal Rabbit IgG (polyclonal)
PM035-8	Normal Rabbit IgG-Agarose (polyclonal)
PM067	Normal Guinea Pig IgG (polyclonal)
M189-3	Syrian Hamster IgG (isotype control)
M199-3	Armenian Hamster IgG (isotype control)
PM084-4	Normal Chicken IgY-FITC
PM084-5	Normal Chicken IgY-PE
PM094	Normal Goat IgG

Functional grade antibodies

M075-3M2	Mouse IgG1 (isotype control) (2E12)
M076-3M2	Mouse IgG2a (isotype control) (6H3)
M077-3M2	Mouse IgG2b (isotype control) (3D12)
M078-3M2	Mouse IgG3 (isotype control) (6A3)
M080-3M2	Rat IgG1 (isotype control) (1H5)
M081-3M2	Rat IgG2a (isotype control) (2H3)
M090-3M2	Rat IgG2b (isotype control) (3G8)

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.

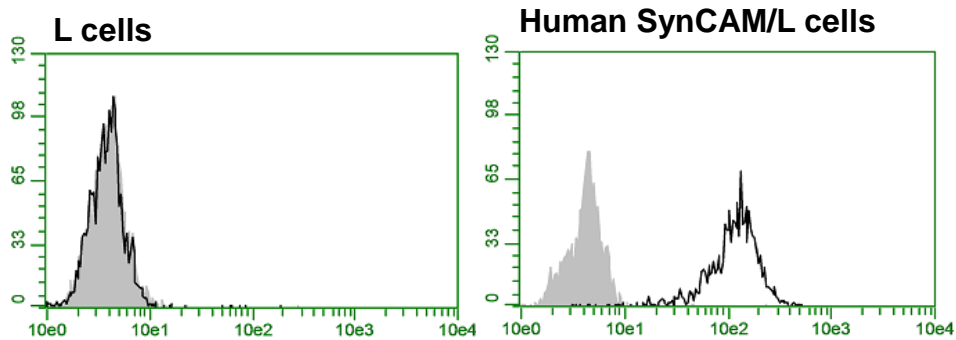


Reactivity of Normal Chicken IgY to human lymphocytes

- 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) ($1 \mu\text{g/mL}$)