



Mouse IgG2a Isotype Control, PE Conjugated mAb

E16MCP002

<u>Catalog No.</u>	<u>Size</u>
E16MCP002-100	100 Tests
E16MCP002-050	50 Tests

Description:

This antibody can be used as a mouse IgG2a isotype control in flow cytometry and other applications.

Storage Condition:	Store at 4°C. DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.
Clone:	4AC44.1 a
Isotype:	Mouse IgG2a
Vol.per.Test:	10µl/Test
Storage Buffer:	Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.2% (w/v) BSA
Applications:	FCM IF

Experimental Methods:

1. Take 100µl peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube;
2. Add 10µl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light;
3. Add 2 ml 1×RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells (recommended: RBC lysing Solution 10×, Cat.: FXP001);
4. Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant;
5. Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant;
6. Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured).

[PBS wash buffer: PBS +1% FBS +0.1% NaN₃; Cat.: FXP005]

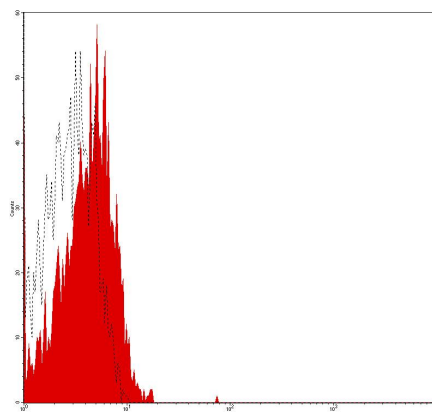
[Cell fixation: 2% formaldehyde solution]

Notices:

1. This reagent has been pre-diluted for use at the recommended Volume per Test.
We typically use 1 X 10⁶ cells in a 100µl experimental sample (a test);
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. **Caution:** Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing;

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4. If the sample can not be timely analysis, please fixed;
5. **For research use only, not for diagnostic or therapeutic use.**

Profile of peripheral blood lymphocytes analyzed by flow cytometry

Human peripheral blood lymphocytes analyzed with PE Mouse IgG2a Isotype Control mAb

Related products:

Catalog No.	Product name	Applications
E16MCU002	Mouse IgG2a Isotype Control, Purified mAb	FCM IF
E16MCF002	Mouse IgG2a Isotype Control, FITC Conjugated mAb	FCM IF
E16MCP002	Mouse IgG2a Isotype Control, PE Conjugated mAb	FCM IF
E16MCC002	Mouse IgG2a Isotype Control, PE-Cy5 Conjugated mAb	FCM IF
E16MCA002	Mouse IgG2a Isotype Control, APC Conjugated mAb	FCM IF

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