Datasheet for ABIN94404

# Mouse anti-Human IgM Antibody (APC)

4 Images

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## Overview

| | |
|---|---|
| Quantity: | 0.1 mg |
| Target: | IgM |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | APC |
| Application: | Flow Cytometry (FACS) |

## Product Details

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|---|---|
| Immunogen: | Purified human IgM. |
| Clone: | CH2 |
| Isotype: | IgG1 |
| Specificity: | The antibody CH2 reacts with Fc fragment of human IgM. |
| Cross-Reactivity (Details): | Human |
| Purification: | Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |

## Target Details

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|---|---|
| Target: | IgM |

 

## Target Details

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|---|---|
| Abstract: | IgM Products |
| Target Type: | Antibody |
| Background: | Immunoglobulin M (IgM) is produced as a 900 kDa pentamer, which is an efficient complement binder. This antibody type is produced initially in the immune response and it is the first immunoglobulin class to be synthesized by a fetus or newborn. IgM antibodies do not cross the placenta. IgM concentration in blood is 0.12 g/l and its biological survival (plasma T1/2) is 5 days.,immunoglobulin M |
| Molecular Weight: | 900 kDa |

## Application Details

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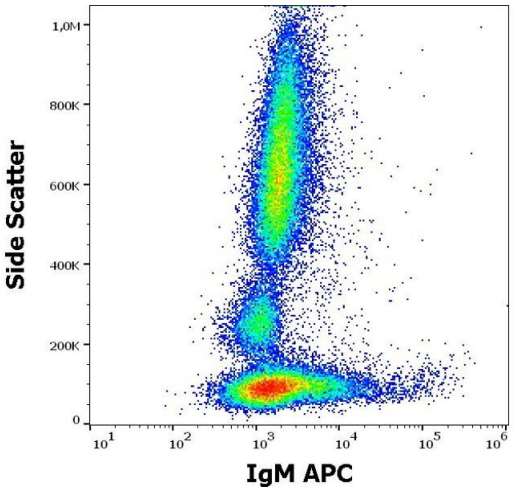
|---|---|
| Application Notes: | Flow cytometry: Recommended dilution: 1-4 µg/mL. Extracellular and intracellular staining. |
| Comment: | The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography . |
| Restrictions: | For Research Use only |

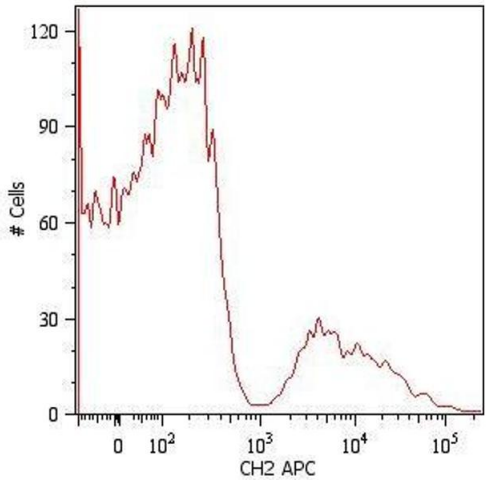
## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 0.1 mg/mL |
| Buffer: | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | **Do not freeze.**<br>Avoid prolonged exposure to light. |
| Storage: | 4 °C |
| Storage Comment: | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze. |



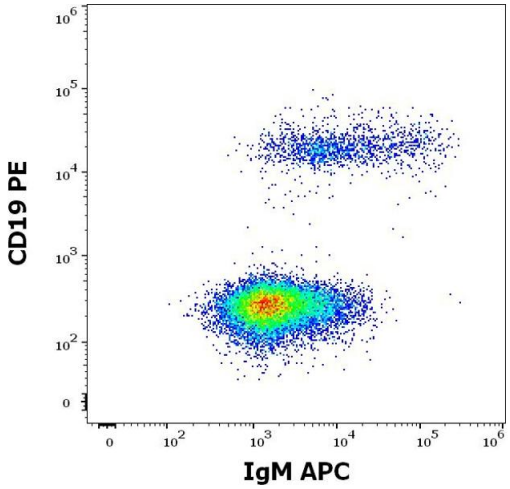

**Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human IgM (CH2) APC antibody (concentration in sample 0,6 µg/mL).




**Flow Cytometry**

**Image 2.** Surface staining of human peripheral blood cells with anti-human IgM (CH2) APC. Cells in the lymphocyte gate were used for analysis.




**Flow Cytometry**

**Image 3.** Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human IgM (CH2) APC antibody (concentration in sample 0,6 µg/mL) and anti-human CD19 (LT19) PE antibody (20 µL reagent / 100 µL of peripheral whole blood).

Please check the product details page for more images. Overall 4 images are available for ABIN94404.