

APC anti-human CD33 Antibody

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| Catalog# / Size | 381603 / 25 tests 381604 / 100 tests |
| Clone | S21002A |
| Regulatory Status | RUO |
| Other Names | Siglec-3, gp67, p67 |
| Isotype | Mouse IgG1, κ |
| Description | CD33 is a 67 kD type I transmembrane glycoprotein also known as Siglec-3, gp67, and p67. It is a sialoadhesion immunoglobulin superfamily member expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells, and mast cells. CD33 is absent on normal platelets, lymphocytes, erythrocytes, and hematopoietic stem cells. CD33 functions as a sialic acid-dependent cell adhesion molecule with carbohydrate/lectin binding activity. |

Product Details

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| Verified Reactivity | Human |
| Antibody Type | Monoclonal |
| Host Species | Mouse |
| Formulation | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA) |
| Preparation | The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. |
| Concentration | Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.) |
| Storage & Handling | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze. |
| Application | FC - Quality tested |
| Recommended Usage | Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. |
| Excitation Laser | Red Laser (633 nm) |
| Application Notes | Clone S21002A can completely block the binding of clone P67.6 and WM53 to target cells. |
| RRID | AB_3683422 (BioLegend Cat. No. 381603) AB_3683422 (BioLegend Cat. No. 381604) |

Antigen Details

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| Structure | Ig superfamily, sialoadhesins, type I glycoprotein, 67 kD |
| Distribution | Myeloid progenitor, monocytes, granulocytes, dendritic cells, mast cells |
| Function | Adhesion and lectin activity |
| Interaction | Dendritic cells, granulocytes, hematopoietic stem and progenitors, mast cells, monocytes, neutrophils |

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| Ligand/Receptor | Sugar chains containing sialic acid |
| Cell Type | Dendritic cells, Granulocytes, Hematopoietic stem and progenitors, Mast cells, Monocytes, Neutrophils |
| Biology Area | Cell Biology, Immunology, Neuroinflammation, Neuroscience |
| Molecular Family | CD Molecules, Siglec Molecules |
| Antigen References | <ol style="list-style-type: none"> 1. Favalaro E, <i>et al.</i> 1988. <i>Br J Haematol.</i> 69:163-71. 2. Freeman S, <i>et al.</i> 1995. <i>Blood</i> 85:2005-12. |
| Gene ID | 945 |

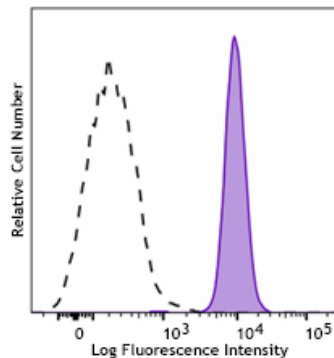
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD33, APC anti-human CD33, PE/Cyanine7 anti-human CD33 Antibody, PE anti-human CD33 Antibody

Product Data



Human peripheral blood monocytes were stained with anti-human CD33 (clone S21002A) APC (filled histogram) or mouse IgG1, κ APC isotype control (open histogram).

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