

PE Anti-Human CD133 Antibody[W6B3C1]

Catalog Number: E-AB-F1268D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

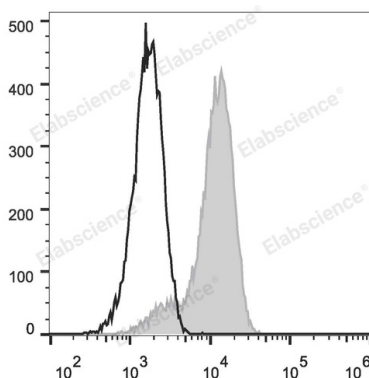
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| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone No. | W6B3C1 |
| Isotype Control | PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D] |
| Conjugation | PE |
| Conjugation Information | PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |

Applications

Recommended usage

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| FCM | Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
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Data



HCT116 cells are stained with PE Anti-Human CD133 Antibody (filled gray histogram). Unstained cells (empty black histogram) are used as control.

Preparation & Storage

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| Storage | Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag |

Antigen Information

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| Alternate Names | Prominin-1;AC133;Antigen AC133;CD133;CORD;CORD12;Hematopoietic stem cell antigen;MCDR;MCDR2;MSTP;MSTP061;OTTHUMP00000217744; OTTHUMP00000217745;PROM;PROM1;PROML;PROML1;Prominin-1;RP41;STGD; STGD4;hProminin |
|------------------------|---|

For Research Use Only

Uniprot ID

O43490

Gene ID

8842

Background

CD133, also known as Prominin-1 and AC133 antigen, is a 120 kD pentaspan glycoprotein with 5 transmembrane domains. CD133 was initially described as a surface antigen specific for human hematopoietic stem cells and as a marker for murine neuroepithelial cells and some embryonic epithelia. Later on, CD133 was found on other stem cells, including endothelial progenitor cells, glioblastomas, neuronal, and glial stem cells. In addition to stem cells for normal tissue, CD133 was found on cancer cells, such as some leukemia cells and brain tumor cells. Although the biological function of CD133 is not completely understood, CD133 has been extensively used as a stem cell marker for normal and cancerous tissues.

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