

A Reliable Research Partner in Life Science and Medicine

PE Anti-Human CD133 Antibody[W6B3C1]

Catalog Number: E-AB-F1268D

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

Description

Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ W6B3C1 Clone No.

PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D] Isotype Control

Conjugation

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.

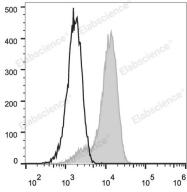
Applications Recommended usage

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.

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

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

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

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Uniprot ID Gene ID Background O43490 8842

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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