

Product Datasheet

CD133 Antibody (APC) (orb545655)

Catalog Number	orb545655
Category	Antibodies
Description	Mouse monoclonal antibody against CD133 conjugated to APC
Target	CD133
Clonality	Monoclonal
Isotype	Mouse IgG1
Conjugation	APC
Reactivity	Human
Buffer/Preservatives	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Purification	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Immunogen	WERI-RB-1 retinoblastoma cell line
UniProt ID	O43490
Tested applications	FC
Application notes	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

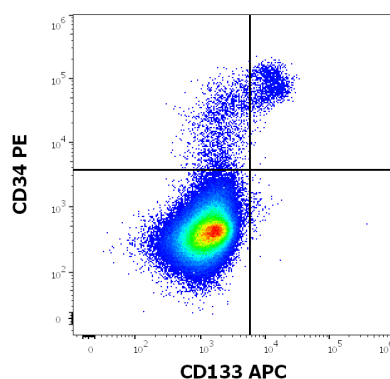
Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

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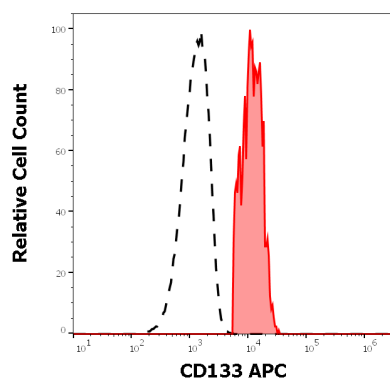
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

Specificity	The mouse monoclonal antibody W6B3C1 recognizes the extracellular glycosylated epitope 1 on human CD133 (CD133/1), a 120 kDa glycoprotein of prominin family, expressed e.g. on progenitor cells. This antibody is important for identification of stem cells and tumor cells.
Antibody Type	Primary Antibody
Clone Number	W6B3C1
Storage	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
Note	For research use only
Entrez	8842
Expiration Date	12 months from date of receipt.



Flow cytometry multicolor surface staining of human bone marrow cells stained using anti-human CD133 (W6B3C1) APC antibody (10 µl reagent per milion cells in 100 µl of cell suspension) and anti-human CD34 (581) PE antibody (20 µl reagent per milion cells in 100 µl of cell suspension).



Separation of human CD133 positive CD34 positive stem cells (red-filled) from CD133 negative CD34 negative cells (black-dashed) in flow cytometry analysis (surface staining) of human bone marrow cells stained using anti-human CD133 (W6B3C1) APC antibody (10 µl reagent per milion cells in 100 µl of cell suspension).

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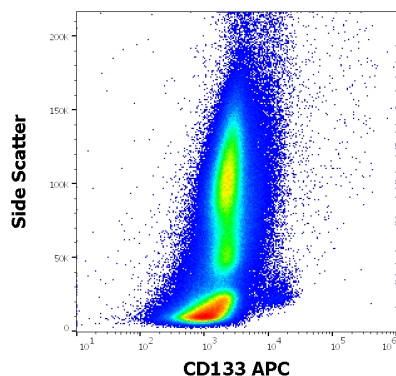
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Flow cytometry surface staining pattern of human bone marrow cells stained using anti-human CD133 CD133 (W6B3C1) APC antibody (10 µl reagent per milion cells in 100 µl of cell suspension).

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