

Mouse anti-Human CD133 Monoclonal Antibody | anti-CD133 antibody

Anti-Hu CD133 PE

CATALOG # AAA129053	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD133; Monoclonal Antibody; Anti-Hu CD133 PE; prominin 1; Prominin 1; PROM1; AC133; PROML1; STGD4; anti-CD133 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	W6B3C1
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.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	865
Applicable Applications for anti-CD133 antibody	FCM/FACS (Flow Cytometry)
Immunogen	WERI-RB-1 retinoblastoma cell line
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD133 antibody	CD133 (prominin 1) is a 5-transmembrane glycoprotein with extracellular N- and intracellular C-terminus. CD133 function remains to be elucidated, but it can be used as a cancer stem cell marker. Its expression pattern in progenitor cells is similar to CD34, i.e. on hematopoietic stem cells in bone marrow, cord blood, neural stem cells, retinoblastoma, or endothelial precursor cells (not mature endothelial cells). It is being used for identification and isolation of hematopoietic stem cells, including isolation for stem cell transplantation. Expression of CD133 correlates with differentiation of human colon cancer cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13124442
NCBI GeneID	8842
UniProt Accession #	O43490
NCBI Official Full Name	Prominin-1

NCBI Official Synonym Full Names	prominin 1
NCBI Official Symbol	PROM1
NCBI Official Synonym Symbols	RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061
NCBI Protein Information	prominin-1
UniProt Protein Name	Prominin-1
UniProt Gene Name	PROM1
UniProt Synonym Gene Names	PROML1
UniProt Entry Name	PROM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd133-antibody-clone-w6b3c1-flow-cytometry-elisa/129053>