

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

Anti-Hu CD133 APC

|                               |                      |                            |                                                         |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA129052</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

CD133; Monoclonal Antibody; Anti-Hu CD133 APC; 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 allophycocyanin (APC) 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                                     | APC                                                                                                                                                                                                                                                                            |
| Preparation and Storage                         | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                                                                                                                                           |

### ADDITIONAL INFORMATION

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| 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

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|-------------------------|--------------------------|
| NCBI GI #               | <a href="#">13124442</a> |
| NCBI GeneID             | <a href="#">8842</a>     |
| UniProt Accession #     | <a href="#">O43490</a>   |
| 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                | <b>PROM1</b>                                              |
| 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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd133-antibody-clone-w6b3c1-flow-cytometry-elisa/129052>