### Technical Data Sheet

**Product**  
**Anti-Hu CD133 PE**

**Cat. Number/Size**  
1P-820-T100  
*100 tests*

*For Research Use Only.*  
*Not for use in diagnostic or therapeutic procedures.*

<table>
<thead>
<tr>
<th><strong>Antigen</strong></th>
<th>CD133</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clone</strong></td>
<td>293C3</td>
</tr>
<tr>
<td><strong>Format</strong></td>
<td>PE</td>
</tr>
<tr>
<td><strong>Reactivity</strong></td>
<td>Human</td>
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<tr>
<td><strong>Application</strong></td>
<td>FC (QC tested)</td>
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</tbody>
</table>

**Application details**  
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.

**Excitation laser**  
blue (488 nm)

**Isotype**  
Mouse IgG2b

**Specificity**  
The mouse monoclonal antibody 293C3 recognizes the extracellular epitope 2 on human CD133 (CD133/2), a 120 kDa glycoprotein of prominin family, expressed e.g. on progenitor cells. This antibody is important for identification of human renal progenitors.

**Other names**  
Prominin 1, PROM1, AC133, PROML1, STGD4

**Workshop**  
HLDA VII Workshop

**Entrez Gene ID**  
8842

**Gene name**  
PROM1

**NCBI Full Gene Name**  
prominin 1

**UniProt ID**  
O43490

**Preparation**  
The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

**Formulation**  
Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide

**Storage and handling**  
Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

**Images and References**  
www.exbio.cz

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