

Technical Data Sheet

Product **Anti-Hu CD133 PE-Cy™7**  
Cat. Number/Size **T7-820-T100** **100 tests**  
**For Research Use Only.**  
**Not for use in diagnostic or therapeutic procedures.**

Antigen	CD133
Clone	293C3
Format	PE-Cy™7
Reactivity	Human
Application	FC (QC tested)
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 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
Immunogen	human CD133 transfectants
Entrez Gene ID	8842
Gene name	PROM1
NCBI Full Gene Name	prominin 1
UniProt ID	O43490

Preparation	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy™7) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images and References [www.exbio.cz](http://www.exbio.cz)

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