

Technical Data Sheet

Product

**Anti-Hu CD20 Pacific Blue™**

Cat. Number/Size

**PB-638-T025**

**25 tests**

**PB-638-T100**

**100 tests**

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

Antigen	CD20
Clone	2H7
Format	Pacific Blue™
Reactivity	Human, Non-human primates
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	violet (405 nm)
Isotype	Mouse IgG2b kappa
Specificity	The mouse monoclonal antibody 2H7 recognizes an extracellular epitope on CD20 (B1, Bp35), a 33-37 kDa non-glycosylated membrane receptor with four transmembrane domains, expressed on pre-B lymphocytes, resting and activated B cells (not plasma cells), follicular dendritic cells, and at low levels on peripheral blood T lymphocytes.
Other names	B1, S7, MS4A, Bp35, CVID5, LEU-16
Workshop	HLDA IV: WS Code B201
Immunogen	Human tonsillar B cells
Entrez Gene ID	931
Gene name	CD20
NCBI Full Gene Name	MS4A1
UniProt ID	P11836

Preparation	Purified antibody is conjugated with Pacific Blue™ NHS ester 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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