



	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 ⁶ 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	

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