



	Technical Data Sheet	
Product	Anti-Hu CD31 Pacific Blue™	
Cat. Number/Size	PB-273-T025	25 tests
	PB-273-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD31	
Clone	MEM-05	
Format	Pacific Blue™	
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 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 IgG1	
Specificity	The antibody MEM-05 reacts with an extracellular epitope of CD31 (PECAM-1), a 130-140 kDa type I transmembrane glycoprotein expressed on monocytes, platelets, granulocytes, endothelial cells and stem cells of the myeloid lineage.	
Other names	PECAM-1, EndoCAM, GPIIA, PECA1	
Immunogen	Leukocytes of a patient suffering from LGL-type leukaemia	
Entrez Gene ID	5175	
Gene name	PECAM1	
NCBI Full Gene Name	platelet and endothelial cell adhesion molecule 1	
UniProt ID	P16284	
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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