



	Technical Data Sheet	
Product	Anti-Hu CD34 Pacific Blue™	
Cat. Number/Size	PB-566-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD34	
Clone	QBEnd-10	
Format	Pacific Blue™	
Reactivity	Non-human primates, Human	
Negative species	Dog, Sheep, Rat, Cow	
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 QBEnd-10 reacts with an extracellular class II epitope on CD34, a 110-115 kDa monomeric transmembrane phosphoglycoprotein expressed on hematopoietic progenitors cells and on the most pluripotential stem cells; it is gradually lost on progenitor cells. This antibody has been also used as an endothelial marker.	
Workshop	HLDA V: WS Code BP275, E038, MA065, MR09	
Immunogen	Human endothelial vesicles	
Entrez Gene ID	947	
Gene name	CD34	
NCBI Full Gene Name	CD34 molecule	
UniProt ID	P28906	
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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