



	Technical Data Sheet	
Product	Anti-Hu CD34 Biotin	
Cat. Number/Size	1B-297-C025	0.025 mg
	1B-297-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD34	
Clone	4H11[APG]	
Format	Biotin	
Reactivity	Human	
Application	FC (QC tested), WB, IHC-P, ICC	
Application details	Flow cytometry: Recommended dilution: 1-2 µg/ml.	
Isotype	Mouse IgG1	
Specificity	The mouse monoclonal antibody 4H11[APG] reacts with extracellular class III 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. The antibody 4H11[APG] completely blocks binding of class III antibodies BIRMA K3 and 8G12 on KG1a cell line.	
Workshop	HLDA VI: WS Code M MA58	
Immunogen	Permanent human cell line derived from peripheral leucocytes of a patient suffering from chronic myeloid leukaemia.	
Entrez Gene ID	947	
Gene name	CD34	
NCBI Full Gene Name	CD34 molecule	
UniProt ID	P28906	
Concentration	1 mg/ml	
Preparation	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.	
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide	
Storage and handling	Store at 2-8°C. Do not freeze.	
Images and References	www.exbio.cz	

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