

Technical Data Sheet

Product	Anti-Hu CD34 APC	
Cat. Number/Size	1A-297-T025	25 tests
	1A-297-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	

Antigen	CD34
Clone	4H11[APG]
Format	APC
Reactivity	Human
Application	FC (QC tested)
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Excitation laser	red (633 nm)
Isotype	Mouse IgG1
Specificity	The mouse monoclonal antibody 4H11[APG] reacts with extracellular class III epitope on CD34 (Mucosialin), a 110-115 kDa monomeric transmembrane phosphoglycoprotein expressed on hematopoietic progenitor cells and on the most pluripotential stem cells; it is gradually lost on progenitor cells. The antibody 4H11[APG] completely blocks binding of class II antibody QBEnd10 and class III antibodies BIRMA K3 and 8G12 on KG1a cell line.
Other names	Mucosialin
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

Preparation	The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage and handling	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

Images and References www.exbio.cz

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