



	Technical Data Sheet	
Product	Anti-Hu CD146 PE-Cy™7	
Cat. Number/Size	T7-783-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD146	
Clone	P1H12	
Format	PE-Cy™7	
Reactivity	Rabbit, Dog, Mouse, Human	
Negative species	Rat	
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	blue (488 nm)	
Isotype	Mouse IgG1	
Specificity	The mouse monoclonal antibody P1H12 recognizes an extracellular epitope of CD146, a 118 kDa transmembrane glycoprotein expressed on epithelial and endothelial cells, fibroblasts, multipotent mesenchymal stromal cells, melanoma cells, activated T cells and activated keratinocytes.	
Other names	MeICAM, MCAM, MUC18	
Workshop	HLDA VIII	
Immunogen	cultured human umbilical cells	
Entrez Gene ID	4162	
Gene name	MCAM	
NCBI Full Gene Name	melanoma cell adhesion molecule	
UniProt ID	P43121	
Preparation	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy™7) 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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