



	Technical Data Sheet	
Product	Anti-Hu CD99 PE-Cy™7	
Cat. Number/Size	T7-658-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD99	
Clone	3B2/TA8	
Format	PE-Cy™7	
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	blue (488 nm)	
Isotype	Mouse IgG2a kappa	
Specificity	The mouse monoclonal antibody 3B2/TA8 recognizes an extracellular epitope of CD99, an approximately 32 kDa sialoglycoprotein expressed on the surface of many cell types, with particularly strong expression on Ewing´s sarcoma and peripheral primitive neuroectodermal tumors. Within the hematopoietic system, CD99 is expressed on virtually all cell types except granulocytes.	
Other names	MIC2, HBA71, blood group Xg	
Workshop	HLDA VI: WS Code T 6T-097, BP 534	
Immunogen	Human thymocytes	
Entrez Gene ID	4267	
Gene name	CD99	
NCBI Full Gene Name	CD99 molecule (Xg blood group)	
UniProt ID	P14209	
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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