



	Technical Data Sheet	
Product	Anti-Hu CD43 APC-Cy™7	
Cat. Number/Size	T4-220-T025	25 tests
	T4-220-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD43	
Clone	MEM-59	
Format	APC-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	red (633 nm)	
Isotype	Mouse IgG1	
Specificity	The antibody MEM-59 recognizes a neuraminidase-sensitive extracellular epitope on CD43 (Leukosialin), a 95-135 kDa type I transmembrane glycoprotein (mucin-type) which is involved in lymphocyte activation. CD43 is expressed by platelets and at high levels on the surface of all leukocytes; it is negative on resting B lymphocytes and erythrocytes.	
Other names	Leukosialin, Sialophorin, Galactoglycoprotein, GALGP, LSN, SPN, GALGP, GP5	
Workshop	HLDA IV: WS Code NL 604; HLDA V: WS Code AS S290	
Immunogen	Human T lymphocytes.	
Entrez Gene ID	6693	
Gene name	SPN	
NCBI Full Gene Name	sialophorin	
UniProt ID	P16150	
Preparation	Purified antibody is conjugated with activated tandem dye of allophycocyanin-cyanine 7 (APC-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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