



	Technical Data Sheet	
Product	Anti-Hu CD53 Pacific Blue™	
Cat. Number/Size	PB-227-T025	25 tests
	PB-227-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD53	
Clone	MEM-53	
Format	Pacific Blue™	
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	violet (405 nm)	
Isotype	Mouse IgG1	
Specificity	The antibody MEM-53 reacts with an extracellular epitope of CD53, a 32-40 kDa tetraspanin family glycoprotein exclusively expressed on leukocytes; it is not present on platelets, red blood cells and non-hematopoietic cells. The antibody MEM-53 reacts also with deglycosylated molecule (molecular weight of the antigen is reduced by 15 kDa using endoglycosidase F).	
Other names	Tetraspanin-25, MOX44, TSPAN25	
Workshop	HLDA IV: WS Code NL 59; HLDA V: WS Code B CD53.5; HLDA V: WS Code BP BP287; HLDA V: WS Code T T-096; HLDA V: WS Code X XB004	
Immunogen	Leukocytes of patient suffering from a LGL-type leukemia.	
Entrez Gene ID	963	
Gene name	CD53	
NCBI Full Gene Name	CD53 molecule	
UniProt ID	P19397	
Preparation	Purified antibody is conjugated with Pacific Blue™ NHS ester 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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