



	Technical Data Sheet	
Product	Anti-Hu CD54 PE	
Cat. Number/Size	1P-228-T025	25 tests
	1P-228-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD54	
Clone	MEM-111	
Format	PE	
Reactivity	Human, Cow, Rat	
Application	FC (QC tested)	
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.	
Excitation laser	blue (488 nm)	
Isotype	Mouse IgG2a	
Specificity	The antibody MEM-111 reacts with an extracellular epitope of CD54 (ICAM-1), a 85-110 kDa type I transmembrane glycoprotein (receptor for rhinovirus). The expression of CD54 is upregulated by activation; it is expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells.	
Other names	ICAM-1, BB2, P3.58	
Workshop	HLDA VI: WS Code AS A049	
Immunogen	Raji human Burkitt's lymphoma cell line	
Entrez Gene ID	3383	
Gene name	ICAM1	
NCBI Full Gene Name	intercellular adhesion molecule 1	
UniProt ID	P05362	
Preparation	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. 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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