

Technical Data Sheet

Product	Anti-Hu CD29 Pacific Blue™	
Cat. Number/Size	PB-219-T025	25 tests
	PB-219-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	

Antigen	CD29
Clone	MEM-101A
Format	Pacific Blue™
Reactivity	Dog, Pig, Human
Negative species	Mouse
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-101A reacts with an extracellular epitope of CD29 (integrin beta1 chain), a 130 kDa single chain type I glycoprotein expressed as a heterodimer (non-covalently associated with the integrin alpha subunits 1-6). CD29 is broadly expressed on majority of hematopoietic and non-hematopoietic cells (leukocytes, platelets, fibroblasts, endothelial cells, epithelial cells and mast cells).
Other names	Integrin β1 chain, ITGB1, VLAB, MDF2, FNRB, GPIIA, MSK12
Workshop	HLDA VI: WS Code AS A048
Immunogen	Raji Burkitt's lymphoma cell line
Entrez Gene ID	3688
Gene name	ITGB1
NCBI Full Gene Name	integrin subunit beta 1
UniProt ID	P05556

Preparation	The purified antibody is conjugated with Pacific Blue™ under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage and handling	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

Images and References www.exbio.cz

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