



Technical Data Sheet

Product	Anti-Hu CD29 Alexa Fluor® 700	
Cat. Number/Size	A7-219-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD29	
Clone	MEM-101A	
Format	Alexa Fluor® 700	
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	red (633 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	Purified antibody is conjugated with Alexa Fluor® 700 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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