



Technical Data Sheet

Product	Anti-Hu CD18 Alexa Fluor® 700	
Cat. Number/Size	A7-216-T025	25 tests
	A7-216-T100	100 tests
For Research Use Only.		
Not for use in diagnostic or therapeutic procedures.		
Antigen	CD18	
Clone	MEM-48	
Format	Alexa Fluor® 700	
Reactivity	Human	
Negative species	Dog	
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-48 recognizes an extracellular epitope involving residues 534-546 in cysteine-rich repeat 3 of the CD18 antigen (integrin beta2 subunit; beta2 integrin). CD18 is a 90-95 kDa type I transmembrane protein expressed on all leukocytes.	
Other names	Integrin beta2, Complement receptor C3 subunit beta, ITGB2	
Immunogen	Leukocytes of a patient suffering from a LGL-type leukemia.	
Entrez Gene ID	3689	
Gene name	ITGB2	
NCBI Full Gene Name	integrin subunit beta 2	
UniProt ID	P05107	
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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