

Technical Data Sheet

Product	<b>Anti-Hu CD18 PE</b>	
Cat. Number/Size	<b>1P-340-T025</b>	<b>25 tests</b>
	<b>1P-340-T100</b>	<b>100 tests</b>
	<b>For Research Use Only.</b>	
	<b>Not for use in diagnostic or therapeutic procedures.</b>	

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Antigen	CD18
Clone	MEM-148
Format	PE
Reactivity	Human
Negative species	Pig
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 <sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Excitation laser	blue (488 nm)
Isotype	Mouse IgG1
Specificity	The antibody MEM-148 recognizes an extracellular epitope on CD18 which is essentially inaccessible in intact integrin molecules on resting leukocytes, but is exposed on high-affinity state of LFA-1 or on unassociated CD18. CD18 (integrin beta2 subunit; beta2 integrin) is a 90-95 kDa type I transmembrane protein expressed on all leukocytes.
Other names	Integrin beta2, Complement receptor C3 subunit beta, ITGB2
Workshop	HLDA VI: WS Code AS A052
Immunogen	Peripheral blood mononuclear cells
Entrez Gene ID	3689
Gene name	ITGB2
NCBI Full Gene Name	integrin subunit beta 2
UniProt ID	P05107

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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.

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Images and References [www.exbio.cz](http://www.exbio.cz)

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