



	Technical Data Sheet	
Product	Anti-Hu CD18 Purified Low Endotoxin	
Cat. Number/Size	12-216-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD18	
Clone	MEM-48	
Format	Purified Low Endotoxin	
Reactivity	Human	
Negative species	Dog	
Application	FC (QC tested), IP (reported), WB (verified), IHC-P (verified), IHC-F (reported), FUNC (reported)	
Application details	Functional application: The antibody MEM-48 induces high-affinity conformation of LFA-1 complex. Western blotting: Recommended dilution: 1-2 µg/ml. Flow cytometry: Recommended dilution: 2 µg/ml. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; positive tissue: spleen, microglia.	
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	
Concentration	1 mg/ml	
Preparation	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).	
Formulation	Phosphate buffered saline (PBS), pH 7.4	
Storage and handling	Store at 2-8°C. Do not freeze.	
Images and References	www.exbio.cz	

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