



	Technical Data Sheet	
Product	Anti-Hu CD16 Purified Azide Free	
Cat. Number/Size	10-214-C025	0.025 mg
	10-214-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD16	
Clone	MEM-154	
Format	Purified Azide Free	
Reactivity	Human	
Application	FC (QC tested), IP, WB, FUNC	
Application details	Functional application: The antibody MEM-154 blocks binding of human IgG to FcγRIII. Flow cytometry: Recommended dilution: 5-10 µg/ml; positive control: PBL (peripheral blood lymphocytes). The antibody MEM-154 does not react with CD16a present on NK cells in many subjects. Western blotting: Non-reducing conditions.	
Isotype	Mouse IgG1	
Specificity	The antibody MEM-154 reacts with an extracellular epitope on CD16 antigen that is residing in proximity to FG loop (probably BC or C'E loop). CD16 is a low affinity receptor for aggregated IgG (FcγgammaRIII antigen). The antibody MEM-154 reacts with CD16+ granulocytes, and it can be used for mapping CD16-158V/F polymorphism on NK cells, as it requires presence of V at amino acid 158.	
Other names	FcγgammaRIII, IGFR3, FCRIII	
Workshop	HLDA V: WS Code M MA068; HLDA V: WS Code NK NK51	
Immunogen	Human granulocytes	
Concentration	1 mg/ml	
Preparation	Purified by protein-A affinity chromatography.	
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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