



	Technical Data Sheet	
Product	<b>Anti-Hu CD16 Biotin</b>	
Cat. Number/Size	<b>1B-214-C025</b>	<b>0.025 mg</b>
	<b>1B-214-C100</b>	<b>0.1 mg</b>
	<b>For Research Use Only.</b>	
	<b>Not for use in diagnostic or therapeutic procedures.</b>	
Antigen	CD16	
Clone	MEM-154	
Format	Biotin	
Reactivity	Human	
Application	FC (QC tested), IP, WB	
Application details	Flow cytometry: Recommended dilution: 5-8 µg/ml; positive control: PBL (peripheral blood lymphocytes). The antibody MEM-154 does not react with CD16a present on NK cells in many subjects.	
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 (FcγRIII 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	FcγRIII, IGFR3, FCRIII	
Workshop	HLDA V: WS Code M MA068; HLDA V: WS Code NK NK51	
Immunogen	Human granulocytes	
Concentration	1 mg/ml	
Preparation	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.	
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide	
Storage and handling	Store at 2-8°C. Do not freeze.	
Images and References	www.exbio.cz	

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