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Technical Data Sheet

Product	**Anti-Hu CD16 Biotin**
Cat. Number/Size	**1B-214-C025** **0.025 mg** **1B-214-C100** **0.1 mg**
	For Research Use Only.
	Not for use in diagnostic or therapeutic procedures.

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 (FcgammaRIII 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	FcgammaRIII, 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