



	Technical Data Sheet	
Product	Anti-Hu CD16 Purified Low Endotoxin	
Cat. Number/Size	12-646-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD16	
Clone	3G8	
Format	Purified Low Endotoxin	
Reactivity	Non-human primates, Human	
Application	FC (QC tested), IP, IHC-F, FUNC	
Application details	Functional application: In vitro stimulation of NK cell proliferation, blocking of IgG binding and phagocytosis, inhibition of cytotoxic activity, in vivo NK cell depletion. Flow cytometry: Recommended dilution: 6 µg/ml. Immunohistochemistry (frozen sections): Acetone fixation.	
Isotype	Mouse IgG1 kappa	
Specificity	The mouse monoclonal antibody 3G8 recognizes an extracellular epitope of CD16, a low affinity receptor for aggregated IgG (FcgammaRIII antigen). CD16 exists in two different isoforms: CD16a (FcgammaRIIIA; 50-65 kDa; expressed on NK-cells, monocytes and macrophages) and CD16b (FcgammaRIIIB; 48 kDa; mainly expressed on neutrophils). Regarding CD16-158V/F polymorphism, the antibody 3G8 detects both 158V and 158F allotype on natural NK cells.	
Other names	FcgammaRIII, IGFR3, FCRIII	
Workshop	HLDA V: WS Code NK80	
Immunogen	Human neutrophils	
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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