

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 (FcγRIII antigen). CD16 exists in two different isoforms: CD16a (FcγRIIIA; 50-65 kDa; expressed on NK-cells, monocytes and macrophages) and CD16b (FcγRIIIB; 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	FcγRIII, 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
-----------------------	--

The product is intended For Research Use Only. Diagnostic or therapeutic applications are strictly forbidden. Products shall not be used for resale or transfer to third parties either as a stand-alone product or as a manufacture component of another product without written consent of EXBIO Praha, a.s. EXBIO Praha, a.s. will not be held responsible for patent infringement or any other violations of intellectual property rights that may occur with the use of the products. Orders for all products are accepted subject to the Term and Conditions available at www.exbio.cz. EXBIO, EXBIO Logo, and all other trademarks are property of EXBIO Praha, a.s.