

CD16 Monoclonal Antibody (LNK16), PE

Catalog NumberMA1-19658

Product data sheet

Details		Species Reactivity	
Size	100 Tests	Species reactivity	Human, Non-human primate
Host/Isotope	Mouse / IgG1	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody	Flow Cytometry (Flow)	20 µL/1x10^6 cells
Clone	LNK16	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Normal human peripheral blood granulocytes.		
Conjugate	PE		
Form	Liquid		
Purification	Size-exclusion chromatography		
Storage buffer	PBS, pH 7.4, with 0.2% BSA		
Contains	15mM sodium azide		
Storage Conditions	4° C, store in dark, DO NOT FREEZE!		

Background/Target Information

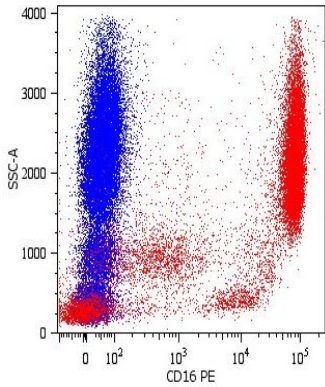
CD16 encodes a receptor that recognizes the Fc portion of immunoglobulin G and is involved in the clearance of immune complexes from the circulation, as well as other functions such as cellular mediated cytotoxicity and enhancement of virus infections. This gene, FCGR3A, shares a high degree of similarity with another nearby gene, FCGR3B, located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, while FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been associated with immunodeficiency 20 and have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Diseases associated with FCGR3A include Immunodeficiency 20 and Herpes Zoster.

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**CD16 Antibody (MA1-19658) in Flow**

Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-human CD16 (LNK16) PE Monoclonal antibody (Product # MA1-19658).

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