

FCGR3A/FCGR3B

Mouse Anti-Human CD16 Clone MEM-154 mAb

Catalog No.	MON1029	Quantity:	100 µg
Alternate Names:	CD16, CD16a, FCG3, FCGR3, FCGR3III, FCR-10, FCR3III, FCR3IIIA, IGFR3, CD16b, RP11-5K23.1		
Description:	<p>CD16 (FCGR3A/FCGR3B) is a receptor for the Fc portion of Immunoglobulin G (IgG), and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other other antibody-dependent responses. FCGR3A is highly similar to 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, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia.</p>		
Concentration:	1 mg/mL		
GeneID:	2214/2215		
Specificity:	<p>Mouse Anti-Human CD16 Clone MEM-154 mAb reacts with Human CD16 by an epitope residing in proximity to FG loop (probably BC or C'E loop). This antibody recognizes a polymorphism of CD16a (NK cells form) and reacts well with the Granulocyte form (CD16b) of all subjects.</p>		
Host:	Mouse		
Immunogen:	Human Granulocytes		
Isotype:	IgG1		
Formulation:	Liquid in PBS + 15 mM Sodium Azide pH 7.4		
Applications:	<p>Flow Cytometry Immunoprecipitation Positive with non-reduced antigen in Western Blotting Blocking (blocks binding of Human IgG to FCR3III)</p>		
Storage & Stability:	Store undiluted antibody at 2-8°C until expiry date. For long-term storage aliquot antibody and store at -20°C. Avoid freeze/thaw cycles.		



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