

30-1841: Anti-CD16 / FcgammaRIII Monoclonal Antibody (Clone:MEM-154)-Biotin Conjugated

Clonality :	Monoclonal
Clone Name :	MEM-154
Application :	FACS
Reactivity :	Human
Conjugate :	Biotin
Gene :	FCGR3A
Gene ID :	2214
Uniprot ID :	P08637
Alternative Name :	FCGR3A,CD16A,FCG3,FCGR3,IGFR3
Isotype :	Mouse IgG1
Immunogen Information :	Human granulocytes

Description

CD16 (FcgammaRIII) is a 50-65 kDa glycoprotein serving as a low affinity IgG receptor. Human FcgammaRIII is expressed in two forms - FcgammaRIII-A and -B. FcgammaRIII-A is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. It is associated with FcepsilonRI-gamma subunit and is responsible for antibody-dependent NK cell cytotoxicity. Mast cell FcgammaRIII-A is associated, moreover, with FcepsilonRI-beta subunit. Besides IgG, FcgammaRIII-A can be triggered also by oligomeric IgE. FcgammaRIII-B is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a proadhesive phenotype.

Product Info

Amount :	0.1 mg
Storage condition :	Store at 2-8°C. Do not freeze.

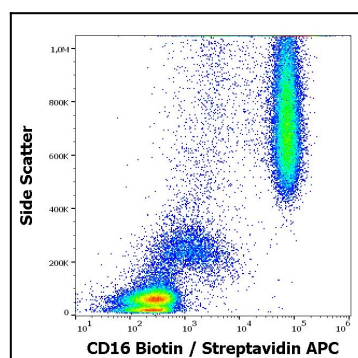


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD16 (MEM-154) Biotin antibody (concentration in sample 0,6 µg/ml, Streptavidin APC).

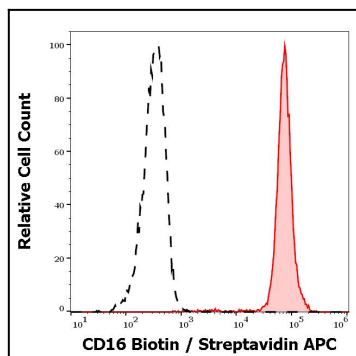


Figure 2: Separation of neutrophil granulocytes stained anti-human CD16 (MEM-154) Biotin antibody (concentration in sample 0,6 µg/ml, Streptavidin APC, red-filled) from neutrophil granulocytes unstained by primary antibody (Streptavidin APC, black-dashed) in flow cytometry analysis (surface staining).