

30-1841: Anti-CD16 / Fcγ₃ Monoclonal Antibody (Clone:MEM-154)-Biotin Conjugated

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| 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 (Fcγ₃) is a 50-65 kDa glycoprotein serving as a low affinity IgG receptor. Human Fcγ₃ is expressed in two forms - Fcγ₃-A and -B. Fcγ₃-A is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. It is associated with Fcε₁-γ subunit and is responsible for antibody-dependent NK cell cytotoxicity. Mast cell Fcγ₃-A is associated, moreover, with Fcε₁-β subunit. Besides IgG, Fcγ₃-A can be triggered also by oligomeric IgE. Fcγ₃-B is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a proadhesive phenotype.

Product Info

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

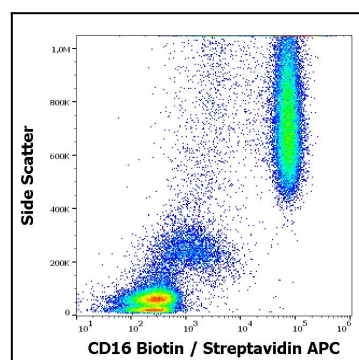


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD16 (MEM-154) Biotin antibody (concentration in sample 0,6 ¼g/ml, Streptavidin APC).

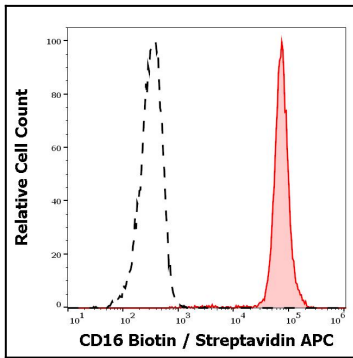


Figure 2: Separation of neutrophil granulocytes stained anti-human CD16 (MEM-154) Biotin antibody (concentration in sample 0,6 μ g/ml, Streptavidin APC, red-filled) from neutrophil granulocytes unstained by primary antibody (Streptavidin APC, black-dashed) in flow cytometry analysis (surface staining).