9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 30-2165: Anti-CD16 / FcgammaRIII Monoclonal Antibody (Clone:MEM-154)-PE Conjugated

| | |
|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | MEM-154 |
| **Application :** | FACS |
| **Reactivity :** | Human |
| **Conjugate :** | PE |
| **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

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|---|---|
| **Amount :** | 100 tests |
| **Storage condition :** | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

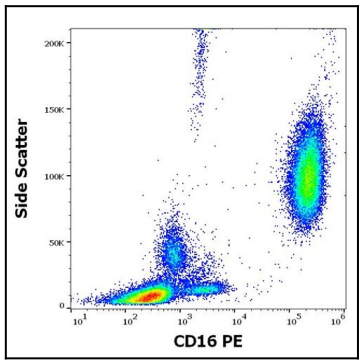



Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood (donor with 158V variant of CD16a) stained using anti-human CD16 (MEM-154) PE antibody (concentration in sample 3 µg/ml).

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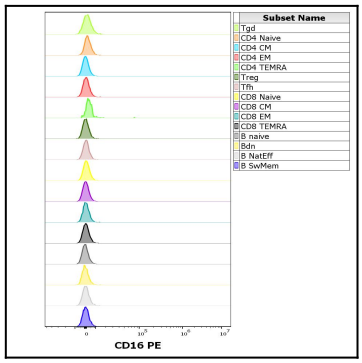



Figure 2:Expression profiling on peripheral blood subsets using Anti-human CD16 PE antibody (clone MEM-154). Adaptive panel

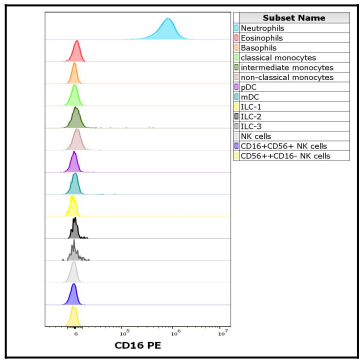



Figure 3:Expression profiling on peripheral blood subsets using Anti-human CD16 PE antibody (clone MEM-154). Innate panel

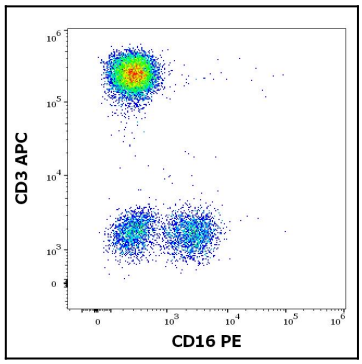



Figure 4: Flow cytometry multicolor surface staining pattern of human lymphocytes (donor with 158V variant of CD16a) stained using anti-human CD3 (UCHT1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood) and anti-human CD16 (MEM-154) PE antibody (concentration in sample 3 µg/ml).

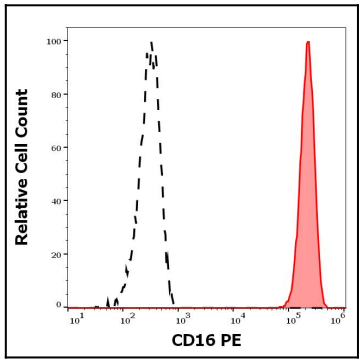



Figure 5: Separation of human neutrophil granulocytes (red-filled) from CD3 positive CD16 negative T cells (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood (donor with 158V variant of CD16a) stained using anti-human CD16 (MEM-154) PE antibody (concentration in sample 3 µg/ml).

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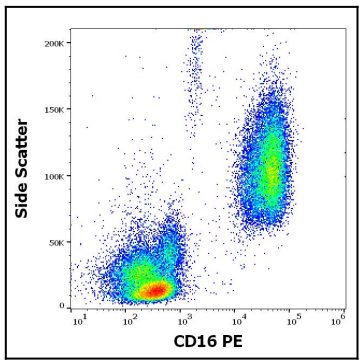



Figure 6: Flow cytometry surface staining pattern of human peripheral whole blood (donor with 158F variant of CD16a) stained using anti-human CD16 (MEM-154) PE antibody (concentration in sample 3 µg/ml).

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