9853 Pacific Heights Blvd.
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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

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

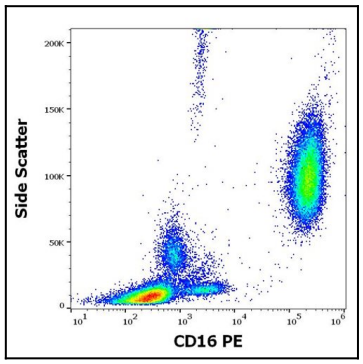

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood (donor with 158V variant of CD16a) stained using anti-human CD16 (MEM-154) PE antibody (concentration in sample 3 µg/ml).

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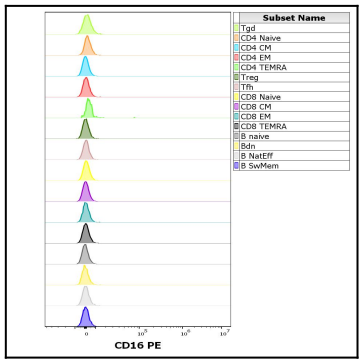

Figure 2:Expression profiling on peripheral blood subsets using Anti-human CD16 PE antibody (clone MEM-154). Adaptive panel

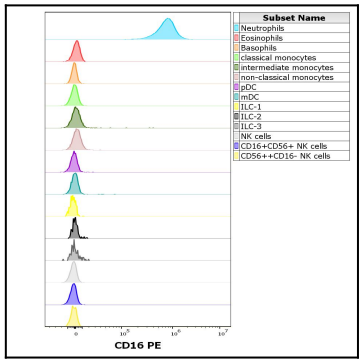

Figure 3:Expression profiling on peripheral blood subsets using Anti-human CD16 PE antibody (clone MEM-154). Innate panel

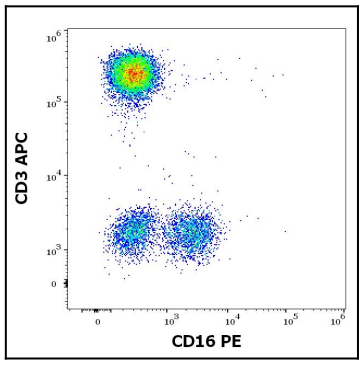

Figure 4: Flow cytometry multicolor surface staining pattern of human lymphocytes (donor with 158V variant of CD16a) stained using anti-human CD3 (UCHT1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood) and anti-human CD16 (MEM-154) PE antibody (concentration in sample 3 µg/ml).

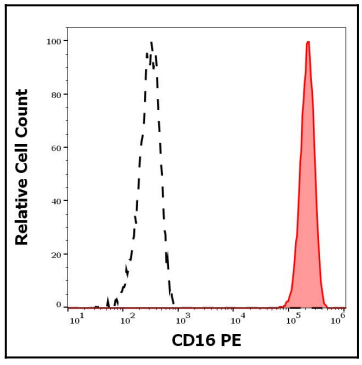

Figure 5: Separation of human neutrophil granulocytes (red-filled) from CD3 positive CD16 negative T cells (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood (donor with 158V variant of CD16a) stained using anti-human CD16 (MEM-154) PE antibody (concentration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

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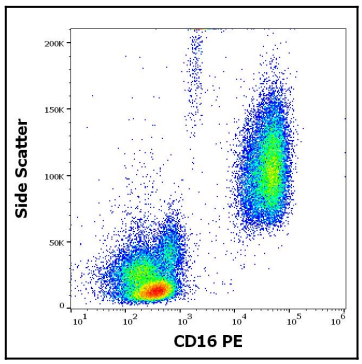

Figure 6: Flow cytometry surface staining pattern of human peripheral whole blood (donor with 158F variant of CD16a) stained using anti-human CD16 (MEM-154) PE antibody (concentration in sample 3 µg/ml).