9853 Pacific Heights Blvd.
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30-2300: Anti-CD16 / FcgammaRIII Monoclonal Antibody (Clone:3G8)-PE Conjugated

Clonality :	Monoclonal
Clone Name :	3G8
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 neutrophils

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.

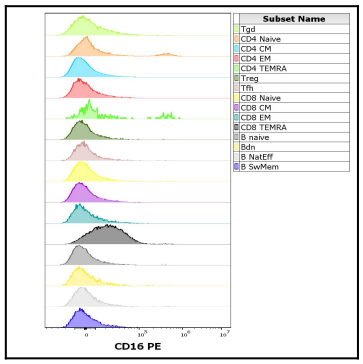

Figure 2: Expression profiling on peripheral blood subsets using Anti-human CD16 PE antibody (clone 3G8). Adaptive panel

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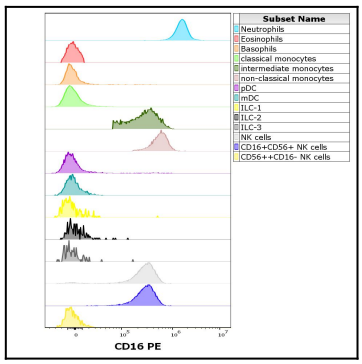

Figure 3: Expression profiling on peripheral blood subsets using Anti-human CD16 PE antibody (clone 3G8). Innate panel

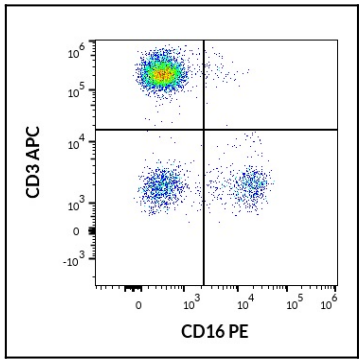

Figure 4: Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD16 (3G8) PE antibody (20 µl reagent / 100 µl of peripheral whole blood) and anti-human CD3 (UCHT1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

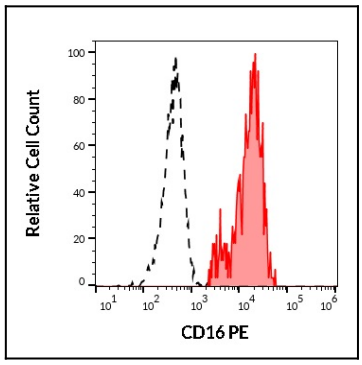

Figure 5: Separation of human CD3 negative CD16 positive NK cells (red-filled) from human CD3 positive CD16 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD16 (3G8) PE (20 µl reagent / 100 µl of peripheral whole blood).