

30-2300: Anti-CD16 / FcγRIII Monoclonal Antibody (Clone:3G8)-PE Conjugated

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| 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 (FcγRIII) is a 50-65 kDa glycoprotein serving as a low affinity IgG receptor. Human FcγRIII is expressed in two forms - FcγRIII-A and -B. FcγRIII-A is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. It is associated with FcεRI-gamma subunit and is responsible for antibody-dependent NK cell cytotoxicity. Mast cell FcγRIII-A is associated, moreover, with FcεRI-beta subunit. Besides IgG, FcγRIII-A can be triggered also by oligomeric IgE. FcγRIII-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. |

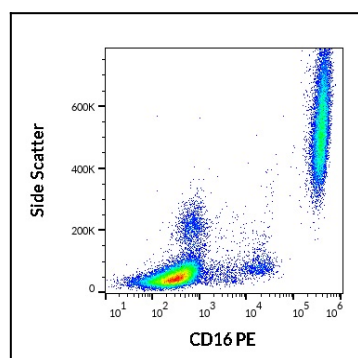


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD16 (3G8) PE antibody (20 μ l reagent / 100 μ l of peripheral whole blood).

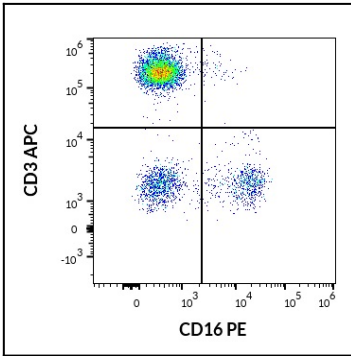


Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD16 (3G8) PE antibody (20 μ l reagent / 100 μ l of peripheral whole blood) and anti-human CD3 (UCHT1) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).

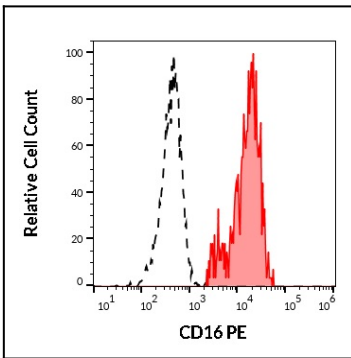


Figure 3: Separation of human CD3 negative CD16 positive NK cells (red-filled) from human CD3 positive CD16 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD16 (3G8) PE (20 μ l reagent / 100 μ l of peripheral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