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30-2863: Anti-Human CD85g APC MAb(Clone :17G10.2)

Clonality: Monoclonal **Clone Name:** 17G10.2 Application: **FACS** Reactivity: Human Conjugate: APC Gene: LILRA4 Gene ID: 23547 P59901 **Uniprot ID:**

Alternative Name: leukocyte immunoglobulin like receptor A4, ILT7, LILRA4

Isotype: Mouse IgG1 kappa

Description

Specificity: The mouse monoclonal antibody 17G10.2 recognizes an extracellular epitope of CD85g / ILT7, a member of leukocyte immunoglobulin-like receptor family expressed on plasmacytoid dendritic cells, but not on myeloid dendritic cells and other peripheral blood leukocytes.

CD85g / ILT7 (immunoglobulin-like transcript 7) is a cell surface protein that is expressed on plasmacytoid dendritic cells (PDCs) and modulates the function of these cells in the immune response, such as the TLR-induced interferon production. It associates with gamma subunit of the high-affinity IgE receptor to form a receptor complex which transduces the signal through ITAM-associated downstream molecules. Expression of CD85g is downregulated by interleukin 3.

Product Info

Amount: 100 tests

Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions

Purification: and unconjugated antibody and free fluorochrome are removed by size-exclusion

chromatography.

Content: Formulation:Stabilizing phosphate-buffered saline (PBS), pH 7.4, 15 mM sodium azide

Storage condition: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 μ l reagent / 100 μ l of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.



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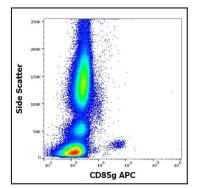


Fig1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD85g (17G10.2) APC antibody (10 $\hat{1}\frac{1}{4}$ l reagent / 100 $\hat{1}\frac{1}{4}$ l of peripheral whole blood).

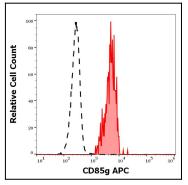


Fig 2: Separation of human CD85g positive leukocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD85g (17G10.2) APC antibody (10 $\hat{1}$ / $\frac{1}{4}$ l reagent / 100 $\hat{1}$ / $\frac{1}{4}$ l of peripheral whole blood).