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30-2871: Anti-Human CD85g FITC Mab (Clone: 17G10.2)

Clonality :	Monoclonal
Clone Name :	17G10.2
Application :	FACS
Reactivity :	Human
Conjugate :	FITC
Gene :	LILRA4
Gene ID :	23547
Uniprot ID :	P59901
Alternative Name :	ILT7, LILRA4, leukocyte immunoglobulin like receptor A4
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
Purification :	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Storage Buffer: 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 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

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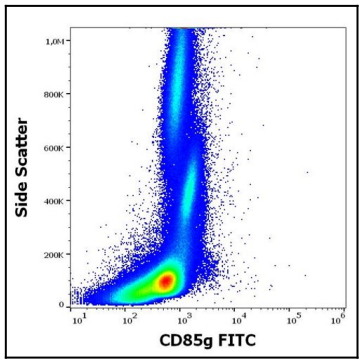

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD85g (17G10.2) FITC antibody (4 Î¼l reagent / 100 Î¼l of peripheral whole blood).

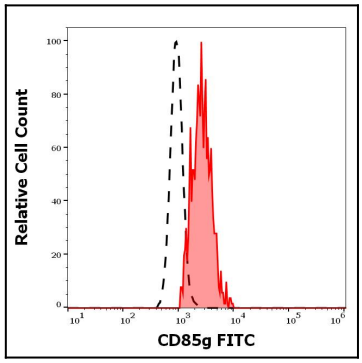

Figure 2: Separation of human CD123 positive CD85g positive leukocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD85g (17G10.2) FITC antibody (4 Î¼l reagent / 100 Î¼l of peripheral whole blood).