

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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 P59901 **Uniprot ID:**

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

Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions

Purification: 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 μ l reagent / 100 μ l of whole blood or 10⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.



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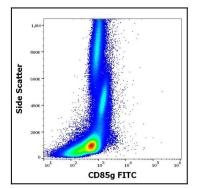


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD85g (17G10.2) FITC antibody (4 $\hat{l}\frac{1}{4}$ reagent / 100 $\hat{l}\frac{1}{4}$ of peripheral whole blood).

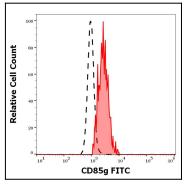


Figure 2: Separation of human CD123 positive CD85g positive leukocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD85g (17G10.2) FITC antibody (4 $\hat{l}\frac{1}{4}$ reagent / 100 $\hat{l}\frac{1}{4}$ of peripheral whole blood).