

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	17G10.2
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	APC
<b>Gene :</b>	LILRA4
<b>Gene ID :</b>	23547
<b>Uniprot ID :</b>	P59901
<b>Alternative Name :</b>	leukocyte immunoglobulin like receptor A4, ILT7, LILRA4
<b>Isotype :</b>	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

<b>Amount :</b>	100 tests
<b>Purification :</b>	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Formulation:Stabilizing phosphate-buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	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 µl reagent / 100 µl of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

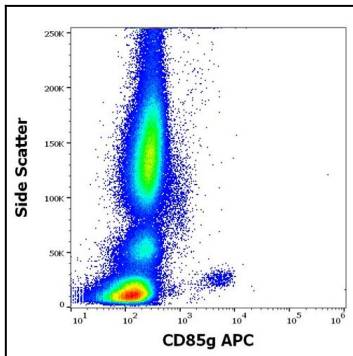


Fig1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD85g (17G10.2) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).

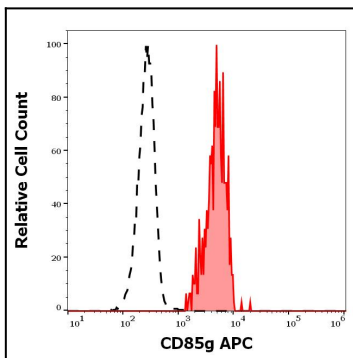


Fig 2: Separation of human CD85g positive leukocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD85g (17G10.2) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).