

## 30-2884: Anti-Human IL-2 PE Mab (Clone:35C3)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	35C3
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	IL2
<b>Gene ID :</b>	3558
<b>Uniprot ID :</b>	P60568
<b>Alternative Name :</b>	Interleukin 2
<b>Isotype :</b>	Mouse IgG2b kappa
<b>Immunogen Information :</b>	recombinant human IL-2

### Description

Specificity: The mouse monoclonal antibody 35C3 recognizes human interleukin 2 (IL-2; secreted or intracellular).

IL-2 (interleukin 2) is a cytokine that is produced primarily by stimulated Th cells and its crucial role is induction of T cell proliferation. However, IL-2 also stimulates growth and differentiation of B cells, NK cells, monocytes and other cell types, such as LAK cells or oligodendrocytes and is one of the key molecules of the immune system. IL-2 signaling pathways lead to induction of Bcl-2 protein.

### Product Info

<b>Amount :</b>	100 tests
<b>Purification :</b>	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. 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. Intracellular staining.

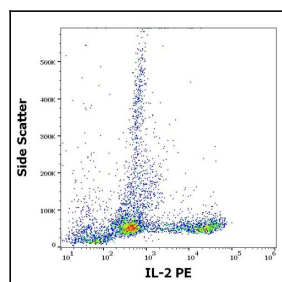


Figure 1: Flow cytometry intracellular staining pattern of PMA + Ionomycin stimulated and Brefeldin A treated human peripheral whole blood stained using anti-human IL-2 (35C3) PE antibody (10 1/4l reagent / 100 1/4l of peripheral whole blood).

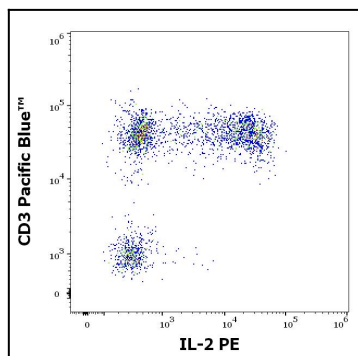


Figure 2: Flow cytometry multicolor surface staining pattern of PMA + Ionomycin stimulated and Brefeldin A treated human lymphocytes using anti-human CD3 (UCHT1) Pacific Blue™ antibody (4  $\mu$ g/ml reagent / 100  $\mu$ l of peripheral whole blood) and intracellular staining using anti-human IL-2 (35C3) PE antibody (10  $\mu$ g/ml reagent / 100  $\mu$ l of peripheral whole blood).

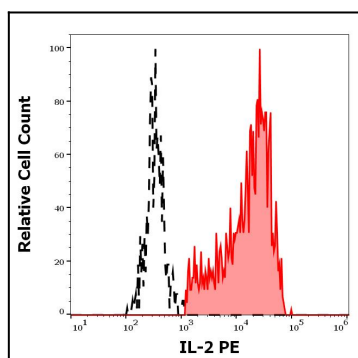


Figure 3: Separation of human IL-2 positive CD3 positive lymphocytes (red-filled) from IL-2 negative CD3 negative lymphocytes (black-dashed) in flow cytometry analysis (intracellular staining) of PMA + Ionomycin stimulated and Brefeldin A treated human peripheral whole blood stained using anti-human IL-2 (35C3) PE antibody (10  $\mu$ g/ml reagent / 100  $\mu$ l of peripheral whole blood).