

Datasheet for ABIN7505991  
**anti-IL-2 antibody (PE)**

3 Images



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## Overview

Quantity:	100 tests
Target:	IL-2 (IL2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-2 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-Hu IL-2 PE
Immunogen:	recombinant human IL-2
Clone:	35C3
Isotype:	IgG2b kappa
Specificity:	The mouse monoclonal antibody 35C3 recognizes human interleukin 2 (IL-2, secreted or intracellular).
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

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## Target Details

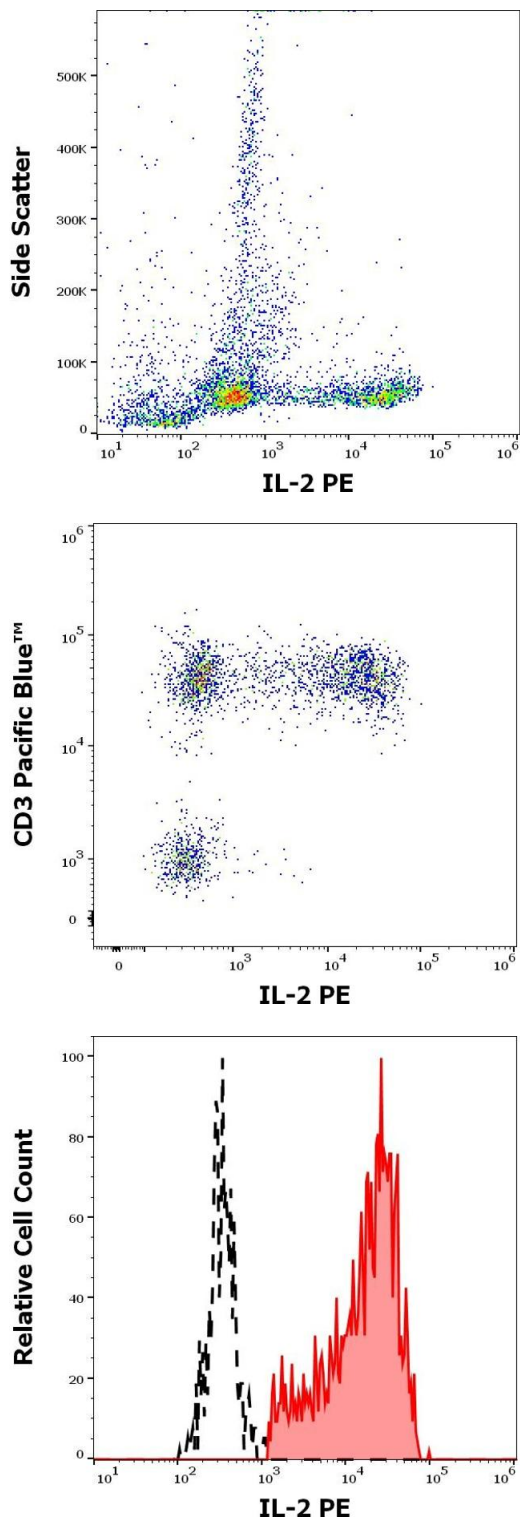
Alternative Name:	IL-2 ( <a href="#">IL2 Products</a> )
Background:	Interleukin 2,IL-2 (interleukin 2) is a cytokine that is produced primarily by stimulated Th cells and its crucial role is induction of T cell proliferation. However, IL-2 also stimulates growth and differentiation of B cells, NK cells, 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.,Interleukin 2
Gene ID:	3558
UniProt:	<a href="#">P60568</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Activated T Cell Proliferation</a>

## Application Details

Application Notes:	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.
Restrictions:	For Research Use only

## Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



#### Flow Cytometry

**Image 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  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).

#### Flow Cytometry

**Image 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  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood) and intracellular staining using anti-human IL-2 (35C3) PE antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).

#### Flow Cytometry

**Image 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  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).