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30-2836AF488: Alexa Fluor 488 Conjugated Anti-Human IL-2 MAb (Clone: 35C3)

Clonality :	Monoclonal
Clone Name :	35C3
Application :	ICC,FACS,WB
Reactivity :	Human
Gene :	IL-2
Gene ID :	3558
Uniprot ID :	P60568
Alternative Name :	Interleukin 2
Isotype :	Mouse IgG2b kappa
Immunogen Information :	Recombinant human IL-2

Description

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

Product Info

Amount :	100 tests
Purification :	Purified antibody is conjugated with Alexa Fluor 488 NHS ester under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography
Content :	Formulation: 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 10 µl reagent / 100 µl of whole blood or 106 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. Intracellular staining.

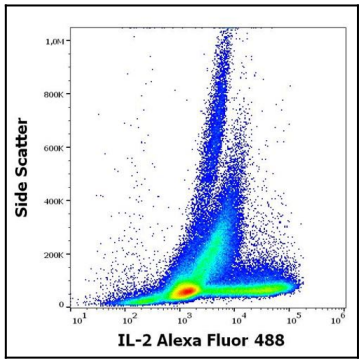

Figure 1: Flow cytometry intracellular staining pattern of PMA + Ionomycin stimulated and Brefeldin A treated human peripheral whole blood stained using anti-human IL-2 (35C3) Alexa Fluor 488 antibody (10 µl reagent / 100 µl of peripheral whole blood).

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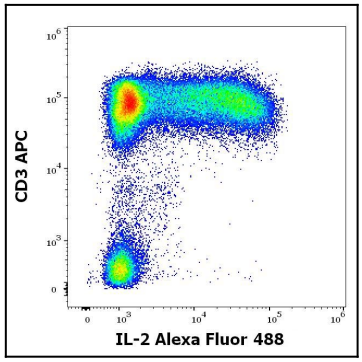

Figure 2: Flow cytometry multicolor surface staining pattern of PMA + Ionomycin stimulated and Brefeldin A treated human lymphocytes using anti-human CD3 (UCHT1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood) and intracellular staining using anti-human IL-2 (35C3) Alexa Fluor 488 antibody (10 µl reagent / 100 µl of peripheral whole blood).

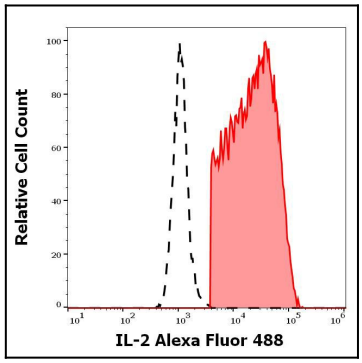

Figure 3: Separation of human IL-2 positive CD3 positive lymphocytes (red-filled) from IL-2 negative CD3 negative lymphocytes (black-dashed) in flow cytometry analysis (intracellular staining) of PMA + Ionomycin stimulated and Brefeldin A treated human peripheral whole blood stained using anti-human IL-2 (35C3) Alexa Fluor 488 antibody (10 µl reagent / 100 µl of peripheral whole blood).