

30-2836: Anti-Human IL-2 MAb (Clone: 35C3)

Clonality :	Monoclonal
Clone Name :	35C3
Application :	IP,ICC,ELISA,FACS,WB
Reactivity :	Human
Gene :	IL2
Gene ID :	3558
Uniprot ID :	P60568
Format :	Purified
Alternative Name :	IL2,Interleukin 2
Isotype :	Mouse IgG2b kappa
Immunogen Information :	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

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography followed by size-exclusion chromatography.
Content :	1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 0.5-4 µg/ml. Intracellular staining.

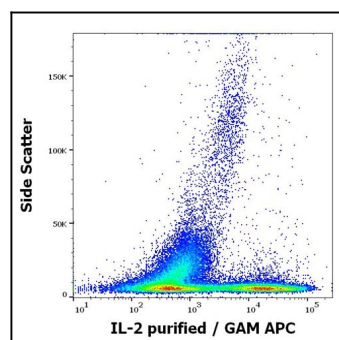


Fig1: Flow cytometry intracellular staining pattern of human PMA + ionomycin stimulated and Brefeldin A treated peripheral whole blood stained using anti-human IL-2 (35C3) purified antibody (concentration in sample 0,5 1/4g/ml, GAM APC).

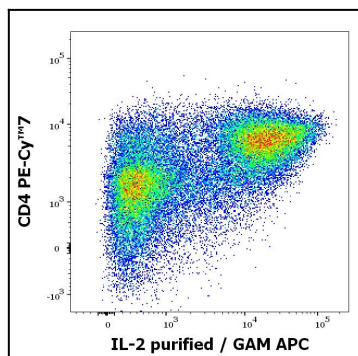


Fig2: Flow cytometry multicolor intracellular staining of human PMA + ionomycin stimulated and Brefeldin A treated peripheral whole blood showing lymphocytes stained using anti-human CD4 (MEM-241) PE-Cy™ 7 antibody (4 µl reagent / 100 µl of peripheral whole blood) and anti-human IL-2 (35C3) purified antibody (concentration in sample 0,5 µg/ml, GAM APC).

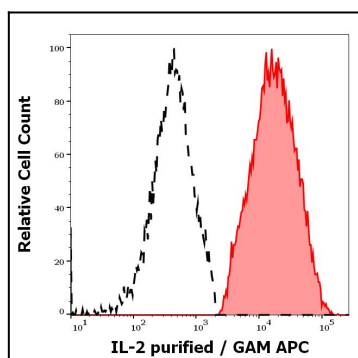


Fig3: Separation of human CD4 positive IL-2 positive lymphocytes (red-filled) from CD4 negative IL-2 negative lymphocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human PMA + ionomycin stimulated and Brefeldin A treated peripheral whole blood stained using anti-human IL-2 (35C3) purified antibody (concentration in sample 0,5 µg/ml, GAM APC)