

Datasheet for ABIN7505989

anti-IL-2 antibody

3 Images

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Overview

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| Quantity: | 0.1 mg |
| Target: | IL-2 (IL2) |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This IL-2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

Product Details

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|---------------|--|
| Purpose: | Anti-Hu IL-2 Purified |
| 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 by protein-A affinity chromatography. |

Target Details

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| Target: | IL-2 (IL2) |
|---------|------------|

Target Details

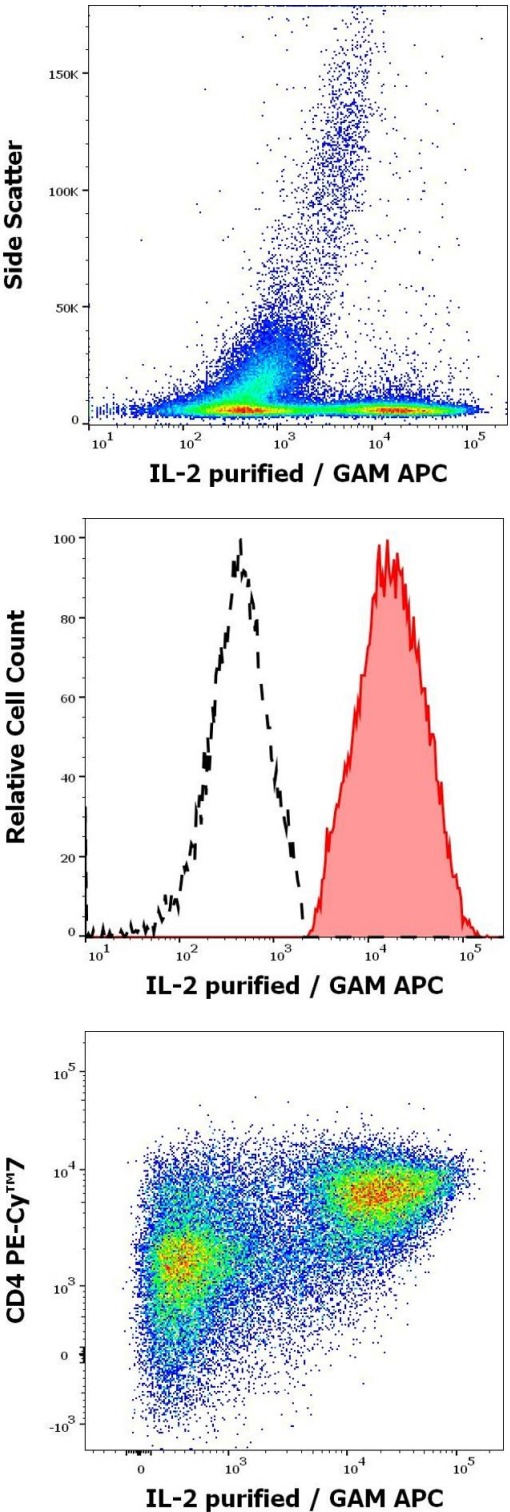
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|-------------------|--|
| Alternative Name: | IL-2 (IL2 Products) |
| Background: | Interleukin 2,IL-2 (interleukin 2) is a cytokine that is produced primarily by stimulated Th cells and its crucial role is induction of T cell proliferation. However, 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: | P60568 |
| Pathways: | JAK-STAT Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Activated T Cell Proliferation |

Application Details

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| Application Notes: | Flow cytometry: Recommended dilution: 0.5-4 µg/mL. Intracellular staining. |
| Restrictions: | For Research Use only |

Handling

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| Concentration: | 1 mg/mL |
| Buffer: | 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. Do not freeze. |



Flow Cytometry

Image 1. 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 µg/mL, GAM APC).

Flow Cytometry

Image 2. 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).

Flow Cytometry

Image 3. 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).