

For Research Use Only

PE Anti-Human IL-7 (1C11B11)

Catalog Number: PE-65281



Basic Information

Catalog Number:

PE-65281

Concentration:

100ug, 0.2 mg/mL

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

HZ-1281

GenBank Accession Number:

BC047698

GeneID (NCBI):

3574

Full Name:

interleukin 7

Calculated MW:

20 kDa

Purification Method:

Affinity purification

CloneNo.:

1C11B11

Recommended Dilutions:

FC (Intra): 0.2 ug per 10^6 cells in 100

μ l suspension

FC:

Excitation/Emission maxima

wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human

Positive Controls:

FC (Intra) : LPS and Brefeldin A treated human PBMCs,

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Background Information

Interleukin-7 (IL-7) is a cytokine involved in B and T cell development. It plays an active role in the development, survival, maintaining and restoring homeostasis of mature T lymphocytes and is a key regulator of the commitment, survival, proliferation and maturation of B cells during development. Furthermore, IL-7 can improve the antiviral function and expansion of natural killer (NK) cells and regulate the development and differentiation of dendritic cells. IL-7 has also been reported as a regulator of the development of central nervous system and myogenesis and skeletal muscle cell migration. (PMID: 29663382; 29655570; 29449560)

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

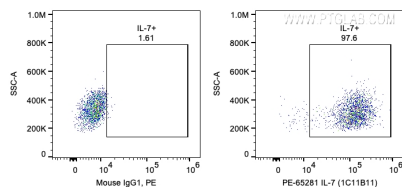
T: 4006900926

E: Proteintech-CN@ptglab.com

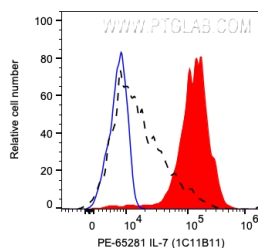
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Selected Validation Data



1X10⁶ LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug PE Anti-Human IL-7 (PE-65281, Clone:1C11B11) or Mouse IgG1 Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.



1X10⁶ LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug PE Anti-Human IL-7 (PE-65281, Clone:1C11B11) (red) or Mouse IgG1 Isotype Control (blue), or unactivated and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug PE Anti-Human IL-7 (PE-65281, Clone:1C11B11) (black, dashed line). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.