

# FITC Plus Anti-Human IL-7 (1C11B11)

Catalog Number: **FITC-65281**

## Basic Information

Catalog Number:

FITC-65281

Size:

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

Excitation/Emission maxima  
wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human

## 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

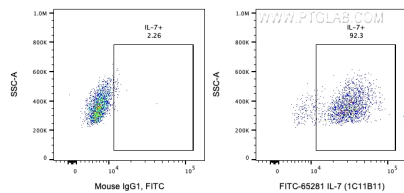
Storage:

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

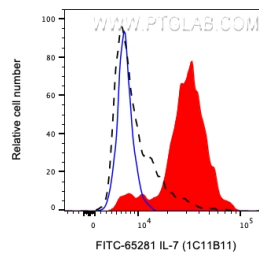
Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

## Selected Validation Data



1X10<sup>6</sup> LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug FITC Plus Anti-Human IL-7 (CL488-65281, Clone:1C11B11) or Mouse IgG1 Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.



1X10<sup>6</sup> LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug FITC Plus Anti-Human IL-7 (FITC-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 FITC Plus Anti-Human IL-7 (FITC-65281, Clone:1C11B11) (black, dashed line). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.

