

For Research Use Only

# CoraLite® Plus 405 Anti-Human IL-7 (1C11B11)



Catalog Number: **CL405-65281**

## Basic Information

Catalog Number: CL405-65281	GenBank Accession Number: BC047698	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/mL	GeneID (NCBI): 3574	CloneNo.: 1C11B11
Source: Mouse	Full Name: interleukin 7	Excitation/Emission maxima wavelengths: 399 nm / 422 nm
Isotype: IgG1	Calculated MW: 20 kDa	
Immunogen Catalog Number: HZ-1281		

## 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.

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

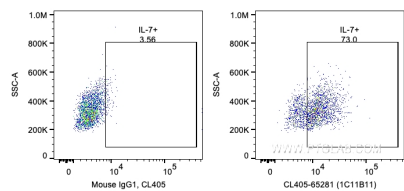
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

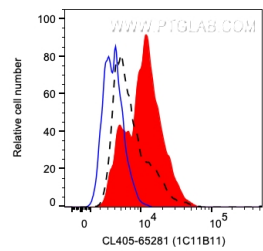
W: [ptgcn.com](http://ptgcn.com)

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Selected Validation Data



1X10<sup>6</sup> LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug CoraLite® Plus 405 Anti-Human IL-7 (CL405-65281, 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 CoraLite® Plus 405 Anti-Human IL-7 (CL405-65281, Clone:1C11B11) (red) or Mouse IgG1 Isotype Control (blue), or unactivated and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug CoraLite® Plus 405 Anti-Human IL-7 (CL405-65281, Clone:1C11B11) (black, dashed line). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit

