

For Research Use Only

# CoraLite® Plus 488 Anti-Human IL-7 Rabbit Recombinant Antibody

Catalog Number:CL488-98206-10



## Basic Information

Catalog Number:

CL488-98206-10

Concentration:

100ug, 5 ul / test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

HZ-1281

GenBank Accession Number:

GeneID (NCBI):

3574

UNIPROT ID:

P13232

Full Name:

interleukin 7

Purification Method:

Protein A purification

CloneNo.:

252658G1

Recommended Dilutions:

FC (Intra): 5 ul per  $10^6$  cells in a 100  $\mu$ l suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra): HUVEC cells, Jurkat cells

## 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:

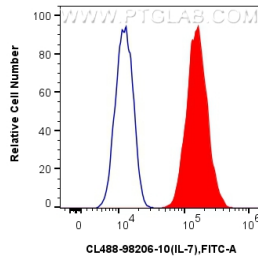
T: 4006900926

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

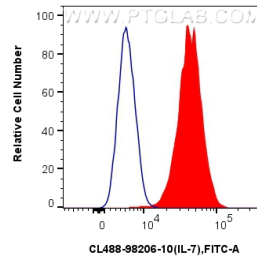
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



$1 \times 10^6$  HUVEC cells were intracellularly stained with 5  $\mu$ l CoraLite® Plus 488 Anti-Human IL-7 Rabbit RecAb (CL488-98206-10, Clone:252658G1) (red) or CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



$1 \times 10^6$  Jurkat cells were intracellularly stained with 5  $\mu$ l CoraLite® Plus 488 Anti-Human IL-7 Rabbit RecAb (CL488-98206-10, Clone:252658G1) (red) or CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).