

For Research Use Only

# Anti-Human IL-7 Rabbit Recombinant Antibody

Catalog Number: 98206-10-RR



## Basic Information

<b>Catalog Number:</b> 98206-10-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 3574	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>UNIPROT ID:</b> P13232	<b>CloneNo.:</b> 252658G1
<b>Source:</b> Rabbit	<b>Full Name:</b> interleukin 7	<b>Recommended Dilutions:</b> IHC: 1:2500-1:10000 FC (Intra): 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG		
<b>Immunogen Catalog Number:</b> HZ-1281		

## Applications

<b>Tested Applications:</b> IHC, FC (Intra)	<b>Positive Controls:</b> IHC: human tonsil tissue, FC (Intra): Raji cells, U87-MG
<b>Species Specificity:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

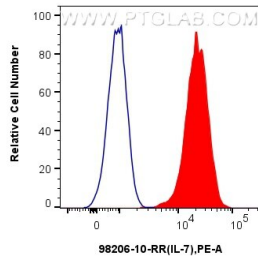
For technical support and original validation data for this product please contact:

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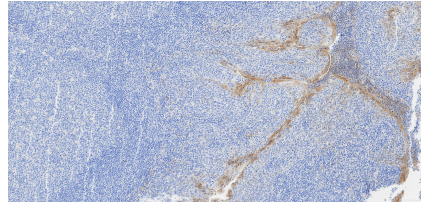
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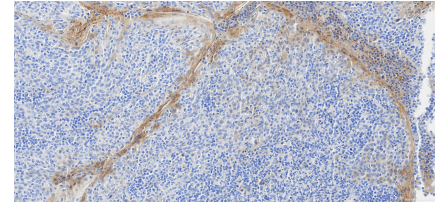
## Selected Validation Data



1x10<sup>6</sup> Raji cells were intracellularly stained with 0.25 ug Anti-Human IL-7 Rabbit RecAb (98206-10-RR, Clone: 252658G1) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



Immunohistochemical analysis of paraffin-embedded human tonsil tissue slide using 98206-10-RR (IL-7 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsil tissue slide using 98206-10-RR (IL-7 antibody) at dilution of 1:5000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).