

For Research Use Only

# IL-7 Monoclonal antibody, PBS Only (Detector)



Catalog Number: 60206-1-PBS

## Basic Information

<b>Catalog Number:</b> 60206-1-PBS	<b>GenBank Accession Number:</b> BC047698	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3574	<b>CloneNo.:</b> 5D5G7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P13232	<b>Affinity:</b> $K_D = 7.40 \times 10^{-10}M$
<b>Isotype:</b> IgG2b	<b>Full Name:</b> interleukin 7	$K_{off} = 7.82 \times 10^{-6}M$
<b>Immunogen Catalog Number:</b> AG16314	<b>Calculated MW:</b> 20 kDa	$K_{on} = 1.06 \times 10^4M$

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

60206-1-PBS targets IL-7 as part of a matched antibody pair.

MP50135-1: 60206-2-PBS capture and 60206-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Background Information

IL-7 is one of the members of IL-2 superfamily. IL-7 is a hematopoietic growth factor secreted by stromal cells in the bone marrow and thymus. It is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells, but is not produced by normal lymphocytes. IL7 plays an active role in the development, survival, maintaining and restoring homeostasis of mature T lymphocytes. It is also a key regulator of the commitment, survival, proliferation and maturation of B cells during development. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection can be a potent inducer of proinflammatory cytokines and chemokines which may defend against the infection, but may also mediate destructive lung injury. Elevated serum IL7 levels, together with several other circulating cytokines and chemokines, has been found to be associated with the severity of Coronavirus Disease 19 (COVID-19).

## Storage

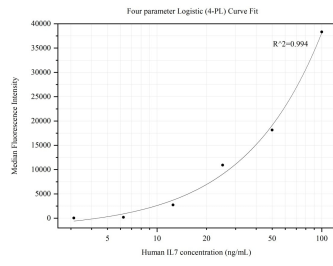
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Cytometric bead array standard curve of MP50135-1, IL7 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60206-2-PBS. Detection antibody: 60206-1-PBS. Standard: Ag16314. Range: 3.125-100 ng/mL.