

For Research Use Only

Anti-Human IL-7 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98206-1-PBS



Basic Information

Catalog Number:

98206-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000880.4

GeneID (NCBI):

3574

UNIPROT ID:

P13232-1

Full Name:

interleukin 7

Calculated MW:

20 kDa

Purification Method:

Protein A purification

CloneNo.:

241000F3

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 -80°C.

Storage Buffer:

PBS Only

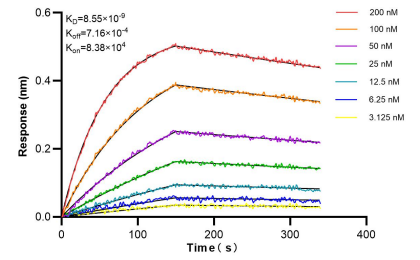
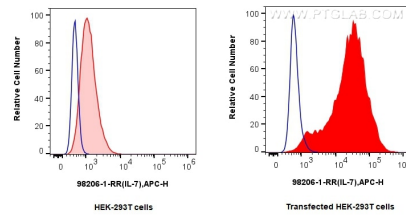
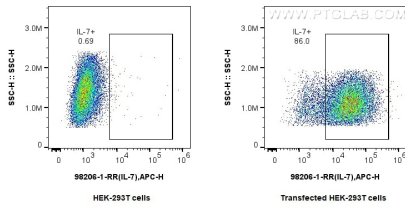
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
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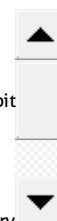
Selected Validation Data



1x10⁶ HEK-293T cells were intracellularly stained with 0.25 ug Anti-Human IL-7 Rabbit Recombinant Antibody (98206-1-RR, Clone:241000F3) and Multi-rAb CoraLite[®] Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 98206-1-PBS in a



1x10⁶ HEK-293T cells (left) or IL-7 transfected HEK-293T cells (right) were intracellularly stained with 0.25 ug Anti-Human IL-7 Rabbit Recombinant Antibody (98206-1-RR, Clone:241000F3) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and Multi-rAb CoraLite[®] Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry



Biolayer interferometry (BLI) kinetic assays of 98206-1-RR against Human IL-7 were performed. The affinity constant is 8.55 nM.