

# IL-7 Recombinant antibody

Catalog Number: 83672-1-RR

## Basic Information

**Catalog Number:**

83672-1-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_008371.5

**GeneID (NCBI):**

16196

**UNIPROT ID:**

Q544C8

**Full Name:**

interleukin 7

**Calculated MW:**

18kd

**Observed MW:**

25 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240343C8

**Recommended Dilutions:**

WB 1:2000-1:10000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

mouse

**Positive Controls:**

WB : Recombinant protein,

## 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:**

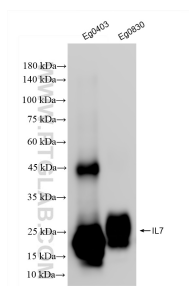
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

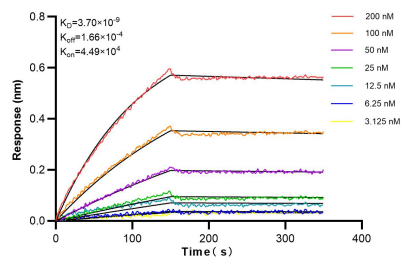
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Mouse IL-7 Recombinant proteins (Eg0403) and human IL-7 Recombinant protein (Eg0830) were subjected to SDS PAGE followed by western blot with 83672-1-RR (IL-7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83672-1-RR against Mouse IL-7 were performed. The affinity constant is 3.70 nM.