

# Rabbit anti- Human IL-7 mAb

**Catalog No.:** RMK0418

## Basic Information

**Catalog No.**  
RMK0418

**Catagory**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification


**Endotoxin Level**

**Storage**  
Store at -20°C. Avoid freeze / thaw cycles. Preservative 0.05%ProClin 300.  
**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2um filtered solution in PBS with 0.1%Braveds MB-1,PH 7.8.

## Contact

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## Background

Hematopoietic cytokine that plays an essential role in the development, expansion, and survival of naive and memory T-cells and B-cells thereby regulating the number of mature lymphocytes and maintaining lymphoid homeostasis.Mechanistically, exerts its biological effects through a receptor composed of IL7RA subunit and the cytokine receptor common subunit gamma/CSF2RG .Binding to the receptor leads to activation of various kinases including JAK1 or JAK3 depending on the cell type and subsequently propagation of signals through activation of several downstream signaling pathways including the PI3K/Akt/mTOR or the JAK-STAT5

## Immunogen Information

**Immunogen**  
Recombinant Human IL-7

## Cross-Reactivity

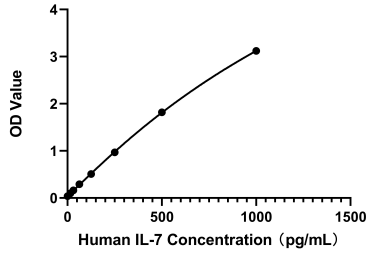
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## Assay Applications

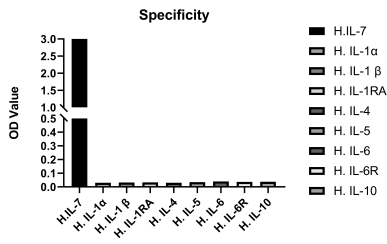
Human IL-7 ELISA assay

		Recommended Concentration	Sample
ELISA assay	Capture	2-8ug/mL	Rabbit anti-Human IL-7 mAb(Cat. No. RMK0417)
	Detection	0.05-0.2ug/mL	Rabbit anti-Human IL-7 mAb (Cat. No. RMK0418)
	Standard	15.63-1000pg/mL	Recombinant IL-7 Protein

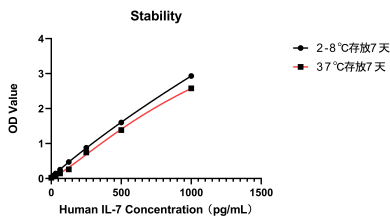
# Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



No significant cross-reactivity or interference was observed.



Placed at 37°C for 7 days, the stability of the standard curve all conform to CV <10%.