

Biotin Conjugated Anti-Human IL-7 Antibody [PSH03-10]

HA722632B



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	ELISA(Det)
Molecular Wt:	Predicted band size: 20.2 kDa
Clone number:	PSH03-10

Description: IL-7 (Interleukin-7) is a cytokine that plays important roles in lymphocyte differentiation, proliferation, and survival. IL-7 is produced by stromal epithelial cells of the thymus, bone marrow, and intestines. It signals through a receptor complex composed of IL-7 R alpha/CD127 and the Common gamma Chain. gamma c is also a subunit of the receptors for IL-2, -4, -9, -15, and -21. IL-7 contributes to the maintenance of all naïve and memory T cells. It is required for optimal T cell-dendritic cell interaction. In mouse, IL-7 activation of IL-7 R alpha is critical for both T cell and B cell lineage development, while in humans, it is required for T cell but not for B cell development.

Conjugate: Biotin-conjugated

Immunogen: Recombinant protein within human IL-7 aa 26-177.

Positive control: Recombinant Human Human IL-7 (HA210595).

Subcellular location: Secreted.

Database links: SwissProt: P13232 Human

Recommended Dilutions:

ELISA(Det) Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH03-09] to Human Human IL-7 (Capture) (HA721937) and recombinant standard Human Human IL-7 (HA210595) as the standard. The reference range value is 8.2-2000 pg/ml.

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% ProClin300.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

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Technical:0086-571-89986345

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Bazdar D.A., Kalinowska M., Panigrahi S., Sieg S.F. Recycled IL-7 Can Be Delivered to Neighboring T Cells. *J. Immunol.* 194:4698-4704 (2015).
2. Kondo M., Takeshita T., Higuchi M., Nakamura M., Sudo T., Nishikawa S., Sugamura K. Functional participation of the IL-2 receptor gamma chain in IL-7 receptor complexes. *Science* 263:1453-1454 (1994).

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