

Human IL-7 Antibody Pair Set

Catalog No. E-KAB-0479

Applications

ELISA

Synonyms IL7

Kit components & Storage

Title	Specifications	Storage
Human IL-7 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human IL-7 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

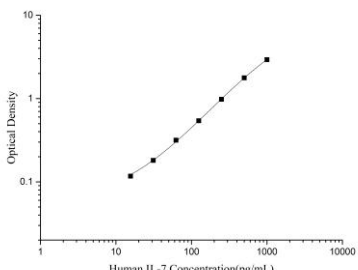
Product Information

Items		Characteristic (E-KAB-0479)	
		Human IL-7 Capture Antibody	Human IL-7 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IL-7 protien	Recombinant Human IL-7 protien
	Swissprot	P13232	
Product details	Reactivity	Human	Human
	Host	Rat	Rat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human IL-7 in ELISAs.	

For Research Use Only

Applications

Human IL-7 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Human IL-7 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human IL-7 Detection Antibody (Biotin)	

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

Background

Interleukin-7 (IL7) is a cytokine important for B and T cell development. 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. Furthermore, IL7 can improve the antiviral function and expansion of natural killer (NK) cells and regulate the development and differentiation of dendritic cells. IL7 has also been reported as a regulator of the development of central nervous system and myogenesis and skeletal muscle cell migration.

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