

Human IL7/IL-7/Interleukin-7 ELISA Kit | IL7/IL-7 elisa kit

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CATALOG #
AAA258435

REACTIVITY
Human

PRODUCT SYNONYMS

IL7/IL-7/Interleukin-7; Human IL7/IL-7/Interleukin-7 ELISA Kit; IL-7 ELISA Kit; Human; interleukin 7; Interleukin-7 ELISA Kit; IL7/IL-7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human IL7/IL-7/Interleukin-7 concentration in cell culture supernates.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Cell supernatant
Detection Range	5.47-350pg/mL
Sensitivity	2.07pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

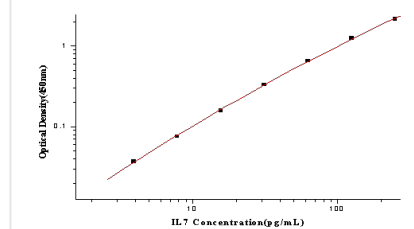
IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF
IL1a	IL1b	IL1RA	IL3
IL5	IL9	IL6R	TrxA
Recombinant mouse			
IL7			

Application Data

This assay recognizes both recombinant and natural Human IL7. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
3.91	0.037
7.81	0.076
15.63	0.159
31.25	0.330
62.5	0.660
125	1.252
250	2.160



Standard Curve (Sample)

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

ADDITIONAL INFORMATION

Related Product Information for IL7/IL-7 elisa kit	This IL-7 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-7 protein in Cell supernatant. It contains recombinant Human IL-7, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: IL7, also known as interleukin 7, is a hematopoietic growth factor that belongs to the IL-7/IL-9 family. It is secreted by stromal cells in the bone marrow and thymus. IL7 stimulates the proliferation of lymphoid progenitors. It is important for proliferation during certain stages of B-cell maturation. IL7 and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. It is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRbeta) during early T cell development. IL7 can be produced locally by intestinal epithelial and epithelial goblet cells and may serve as a regulatory factor for intestinal mucosal lymphocytes.
References	Watanabe M, et al. (1995) Interleukin 7 is produced by human intestinal epithelial cells and regulates the proliferation of intestinal mucosal lymphocytes. J Clin Invest. 95(6):2945-53. Sawa Y, et al. (2009) Hepatic interleukin-7 expression regulates T cell responses. Immunity. 30 (3):447-57. Flad HD, et al. (1996) Human follicular dendritic cells and vascular cells produce interleukin-7: a potential role for interleukin-7 in the germinal center reaction. Eur J Immunol. 26(10): 2541-4.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/il7-il-7-interleukin-7/258435>